CANADA

# EMPLOYMENT FORECAST SURVEY
## SECOND REPORT
### May, 1956

Projections of employment indices to July 1, and October 1, 1956 for manufacturing industries, and other selected industries, based upon quantitative forecasts made by approximately 800 establishments, with supplementary qualitative data, tables and charts.

## DEPARTMENT OF LABOUR
## ECONOMICS AND RESEARCH BRANCH

# FOREWORD

# FOREWORD

This is the second Employment Forecast Survey report for the year 1956. This report includes employment indices projected to target dates at July 1 and October 1, 1956. The projections are based solely on the forecasts for those dates made by a sample of establishments in March.

The latest revised D.B.S. employment indices, and projections of these indices, are provided for the manufacturing and certain selected non-manufacturing industries. All D.B.S. employment indices have been adjusted for strikes. The D.B.S. and projected indices for the manufacturing group and the three economic groups within manufacturing also have been seasonally adjusted for the discussion in the "Employment Outlook".

"The Employment Outlook" statement, which follows immediately after the table of contents, summarizes the most significant aspects of the projected indices given in this report. The projections for individual industries and groups are given in the body of the report in tabular and graphic form, with a summary of the accuracy of the previous projections for each industry.

The first report for 1956 included in the section entitled "Concepts and Methods" a detailed description of the procedures under which employment indices are projected. Any changes from the procedures outlined in that statement are described in this report in the section entitled "Notes".
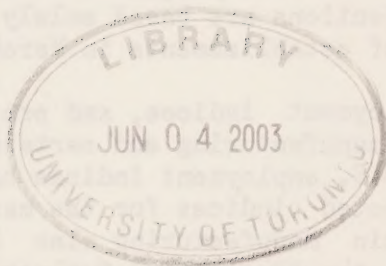
A new procedure designed to give the interview reports of field representatives wider circulation is in the process of initiation. This material, which was summarized as "Employers' Comments" in previous E.F.S. reports, will be available on request to recipients of this report.

The "Employment and Unemployment Outlook" statement, which previously appeared as part of the E.F.S. report, is now published separately twice each year and is available on request.

FOREWORD

# CONTENTS

# GENERAL EMPLOYMENT OUTLOOK
## July 1, and October 1, 1956

The employment indices projected in this <u>Employment Forecast Survey</u> report indicate that, with the exception of the basic materials group, employers in the manufacturing industries expect non-seasonal gains in employment from January 1 to July 1, 1956. The projected indices also show that, with the exception of the consumer finished goods group, the sample establishments expect small non-seasonal declines in employment from July to October of this year.

The average errors of the previous longer-term projections, coupled with possible errors inherent in seasonal and strike adjustment techniques,[1] suggest that changes of the magnitudes predicted in the current report for the manufacturing groups may not be statistically significant. These projections might be interpreted as an expectation by employers of virtual stability in total manufacturing employment from the beginning of the year to October.

As the accompanying chart shows, manufacturing employment rose, on a seasonally adjusted basis, from 107.3 at January 1, 1955 to 114.1 at January 1, 1956, a gain of nearly seven per cent. The forecasts of employers made at the latter date indicated a non-seasonal gain of about one-quarter of one per cent from January 1 to July 1, 1956. The index projected for July on the basis of the forecasts made at the end of March (by the same employers) suggests that the non-seasonal change will be nearly 1.0 per cent over this interval. This upward revision of about 0.7 per cent in the forecasts for July 1, 1956 may be compared with the revision of about three per cent in the forecasts made for April of this year (the original forecasts for April were made in September and revised by employers in December 1955).

The employment index for manufacturing projected to October 1, 1956 on the basis of the forecasts made by executives in late March suggests a non-seasonal decline in employment of about three-quarters of one per cent from July 1 to October 1, 1956.

The predicted non-seasonal gain in manufacturing employment from January 1 to July 1, 1956 is attributable to the producer finished goods group, where a gain of nearly three per cent is predicted, and to the consumer finished goods group, where a gain of 0.89 per cent is predicted. The gains in these two groups are partially offset by the non-seasonal decline of slightly less than one-half of one per cent predicted for the employment of the basic materials group during this interval.

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(1) This and subsequent footnotes appear in the section entitled "Notes", found on page 42.

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MANUFACTURING EMPLOYMENT AND SELECTED COMPONENTS, SEASONALLY ADJUSTED, JANUARY 1, 1952 – 1956

(With Employment Indices Projected to July 1 and October 1, 1956)

1949 = 100

130

120

110

100

90

Producer Finished Goods Industries

Basic Materials

ALL MANUFACTURING

Consumer Finished Goods Industries

J A J O J A J O J A J O J A J O J A J O
1952 1953 1954 1955 1956
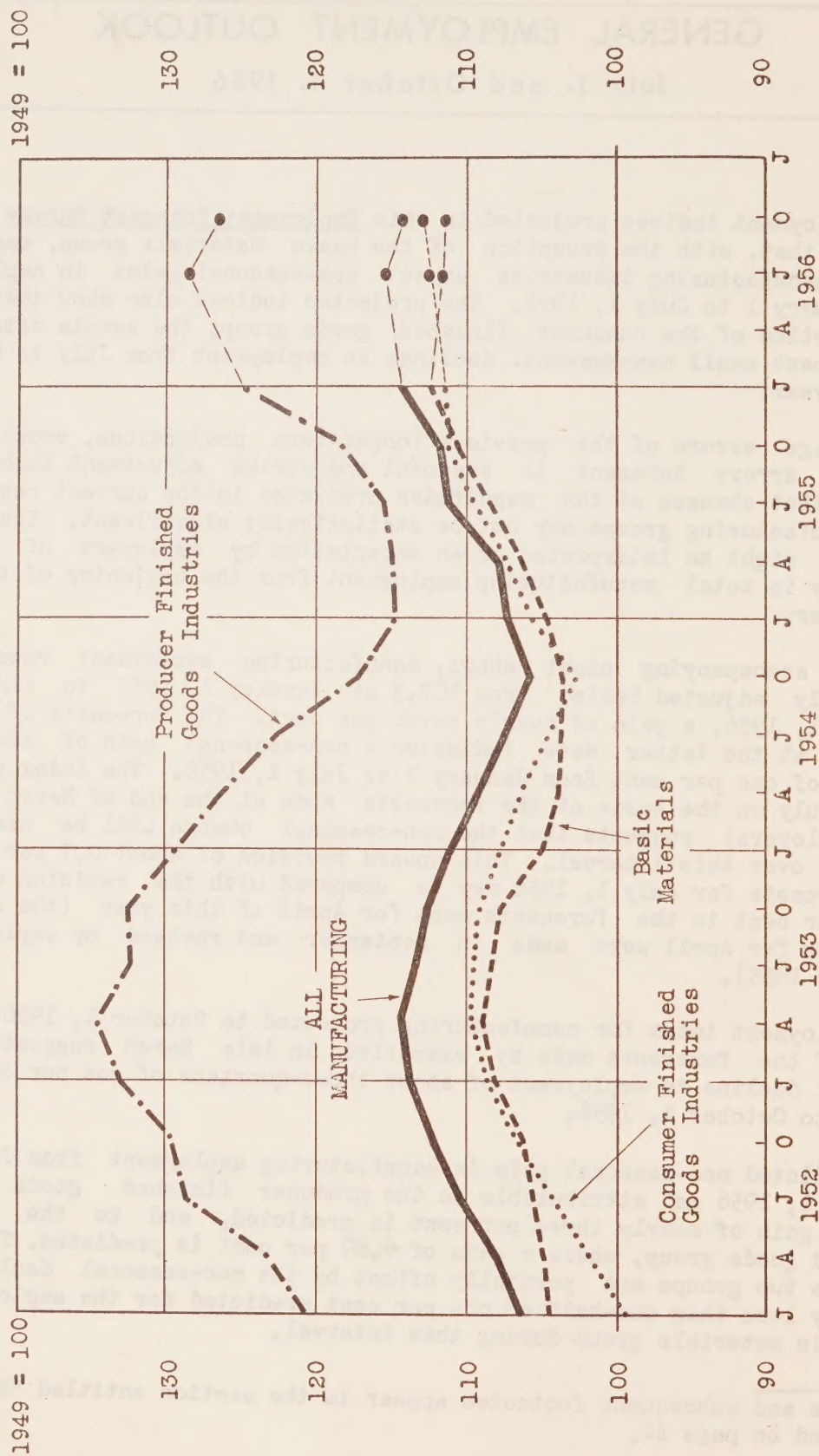
Note: The data are taken from monthly machine runs provided by the Labour and Prices Division, D.B.S., and have been strike adjusted. The moving seasonal indices were computed by the Economics and Research Branch of the Department of Labour. Projections are from the second quarterly Employment Forecast Survey, 1956.

The decline in manufacturing employment from July 1 to October 1, 1956 is derived from the predicted non-seasonal declines in the basic materials and producer finished goods groups of 0.45 and 1.71 per cent, respectively. The only gain during the July-October interval is predicted for the consumer goods group, where a non-seasonal increase of slightly less than one-half of the one per cent is expected.

The accompanying bar chart shows the year-to-year changes projected for individual industries in the manufacturing group for October 1, 1956. Decreases in employment are predicted for eight industries, but for four of these industries the declines expected by employers suggest absolute drops of no more than one hundred employees. The larger declines are predicted for the wood products industry, where an absolute decline of 2,900 employees is expected, and the shipbuilding industry, where a decline of 1,900 workers, or about 8.8 per cent of the total employment of the industry, is predicted.

The year-to-year changes predicted at October 1, 1956 for the other industries are positive in all instances, as the bar chart indicates. The largest absolute gains are expected in the electrical apparatus, railway rolling stock, industrial machinery, and fabricated iron and steel industries. The absolute gains predicted for these industries range from 3,000 employees for the electrical apparatus industry to 7,000 employees for the fabricated iron and steel industry. The largest year-to-year percentage change in employment is predicted for the railway rolling stock industry.

The net result of the predicted increases and decreases in the employment of the individual industries is a predicted gain of 27,600 employees in manufacturing as a whole, which gives an expected year-to-year gain of 2.3 per cent.

The levels of the year-to-year gains predicted for the manufacturing industries are matched or surpassed, generally speaking, by the predictions which have been derived for the selected non-manufacturing industries.

The forecasts of employment made for the British Columbia logging industry lead to a projected year-to-year decline of 0.3 per cent at July 1, 1956. The current projections for October 1 of this year indicate that the year-to-year change predicted for July will rise by about 2.5 percentage points from July to October.

For the logging industry in the rest of Canada substantial year-to-year gains are predicted at July, with a suggested increase of 12.2 per cent. The index projected for this industry at October 1, 1956 indicates that this year-to-year gain will narrow after July, but this is partly due to the increases in employment during this interval in the previous year.

An employment index of 110.8 is projected for department stores at July 1, 1956. If this level is achieved, a year-to-year gain of more than 8.5 per cent in the employment of this industry will have been realized. A marked year-to-year gain is also projected for October of this year.

The year-to-year gains predicted for the communications, electric power and mining industries seem to be consistent with long-term growth factors.

# EMPLOYMENT OUTLOOK IN MANUFACTURING INDUSTRIES
## October 1, 1955 to October 1, 1956

| NEGATIVE PREDICTED CHANGES | | INDUSTRY | | POSITIVE PREDICTED CHANGES | |
|---|---|---|---|---|---|
| Thousands of Employees (−6, −4, −2) | Percentage Change | Title | Employment as a Percentage of Manufacturing* | Percentage Change | Thousands of Employees (+2, +4, +6) |
| | 3.9 | Wood Products | 6 | | |
| | 8.8 | Shipbuilding | 2 | | |
| | 0.6 | Food and Beverages | 11 | | |
| | 2.4 | Rubber Products | 2 | | |
| | 1.0 | Agricultural Implements | 1 | | |
| | 0.9 | Products of Petroleum and Coal | 1 | | |
| | 0.1 | Non-Metallic Mineral Products | 3 | | |
| | 0.1 | Textile Products | 6 | | |
| | | Miscellaneous Manufacturing | 2 | 0.7 | |
| | | Tobacco | 1 | 3.8 | |
| | | Aircraft | 3 | 1.3 | |
| | | Leather Products | 2 | 2.1 | |
| | | Chemical Products | 5 | 1.0 | |
| | | Furniture, Household Machinery and Apparatus | 3 | 2.9 | |
| | | Vehicles | 5 | 2.2 | |
| | | Printing, Publishing and Bookbinding | 4 | 3.3 | |
| | | Non-Ferrous Metal Products | 5 | 3.2 | |
| | | Primary Iron and Steel | 3 | 5.6 | |
| | | Paper Products | 7 | 2.1 | |
| | | Clothing | 8 | 2.2 | |
| | | Electrical Apparatus and Supplies | 5 | 5.3 | |
| | | Railway Rolling Stock | 3 | 14.0 | |
| | | Industrial, Office and Business Machinery | 5 | 10.9 | |
| | | Fabricated Iron and Steel | 7 | 9.1 | |
| | | MANUFACTURING | 100 | 2.3 | 27,600 |

*Employment in each industry as a percentage of total manufacturing employment (D.B.S.) January 1, 1956

## EMPLOYMENT TRENDS IN MANUFACTURING

## 1955 - 1956

(Seasonally Adjusted)

| Industry Group | Actual Employment | | | Projected Employment | | Percentage Change | |
|---|---|---|---|---|---|---|---|
| | July 1 1955 | Oct. 1 1955 | Jan. 1 1956 | July 1 1956 | Oct. 1 1956 | July 1/55 to July 1/56 | Oct.1/55 to Oct.1/56 |
| Total Manufacturing | 110.2 | 111.7 | 114.1 | 115.2 | 114.3 | + 4.5 | + 2.3 |
| Basic Materials.... | 108.6 | 110.8 | 112.4 | 111.9 | 111.4 | + 3.0 | + 0.5 |
| Consumer Finished Goods Industries. | 109.4 | 111.0 | 111.5 | 112.5 | 113.0 | + 2.8 | + 1.8 |
| Producer Finished Goods Industries. | 115.3 | 118.3 | 124.8 | 128.5 | 126.3 | +11.4 | + 6.8 |

Source:  Actual employment Labour and Prices Division D.B.S.; adjusted for strikes and seasonal variations Economics and Research Branch, Department of Labour.  Projections E.F.S.

## EMPLOYMENT TRENDS IN

## SELECTED NON-MANUFACTURING INDUSTRIES 1955 - 1956

(Not Seasonally Adjusted)

| Industry Group | Actual Employment | | | Projected Employment | | Percentage Change | |
|---|---|---|---|---|---|---|---|
| | July 1 1955 | Oct. 1 1955 | Jan. 1 1956 | July 1 1956 | Oct. 1 1956 | July 1/55 to July 1/56 | Oct. 1/55 to Oct. 1/56 |
| Communications...... | 131.8 | 134.6 | 135.3 | 138.7 | 139.2 | + 5.2 | + 3.4 |
| Department Stores... | 102.0 | 106.8 | 129.9 | 110.8 | 113.3 | + 8.6 | + 6.1 |
| Electric Power...... | 126.2 | 124.3 | 121.8 | 128.7 | 127.4 | + 2.0 | + 2.5 |
| Logging British Columbia.. | 111.0 | 109.7 | 75.7 | 110.7 | 112.1 | - 0.3 | + 2.2 |
| Manitoba & East(a) | 82.9 | 145.4 | 149.0 | 93.0 | 150.0 | +12.2 | + 3.2 |
| Mining.............. | 115.5 | 116.5 | 114.4 | 118.1 | 119.3 | + 2.3 | + 2.4 |

Source:  (a)  Based on actual employment sample establishments; other actual employment indexes Labour and Prices Division, D.B.S.Projections E.F.S

# MANUFACTURING INDUSTRIES

- BASIC MATERIALS INDUSTRIES

- CONSUMER FINISHED GOODS INDUSTRIES

- PRODUCER FINISHED GOODS INDUSTRIES

# ⚕MANUFACTURING INDUSTRIES
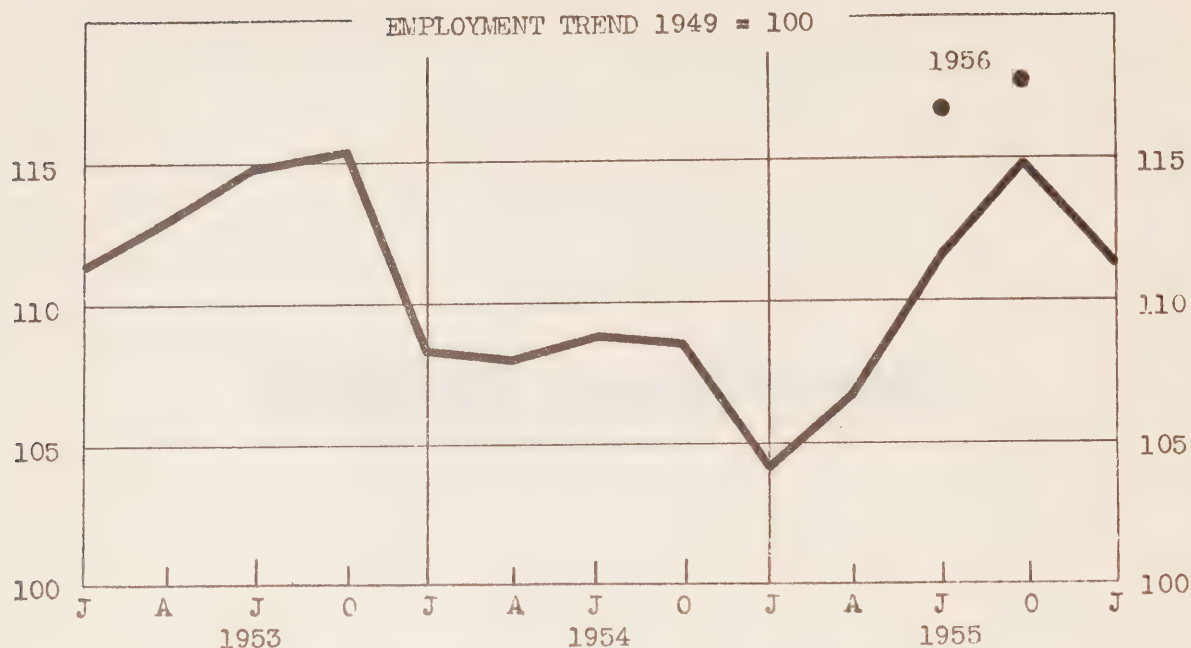
EMPLOYMENT TREND 1949 = 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 111.2 | + 6.7 | - |
| Projected to July 1/56 Target Date | 116.8 | + 4.6 | + 5.0 |
| Projected to Oct. 1/56 Target Date | 117.6 | + 2.3 | + 5.8 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 2.15 | 2.05 | 3.27 | 2.90 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 16/17 | 4/4 | 13/17 |

⚕ Not seasonally adjusted.

# BASIC MATERIALS INDUSTRIES

- Chemical Products
- Leather Products
- Miscellaneous Manufacturing
- Non-Ferrous Metal Products
- Non-Metallic Mineral Products
- Paper Products
- Primary Iron and Steel
- Products of Petroleum and Coal
- Rubber Products
- Textile Products
- Wood Products

# BASIC MATERIALS INDUSTRIES *
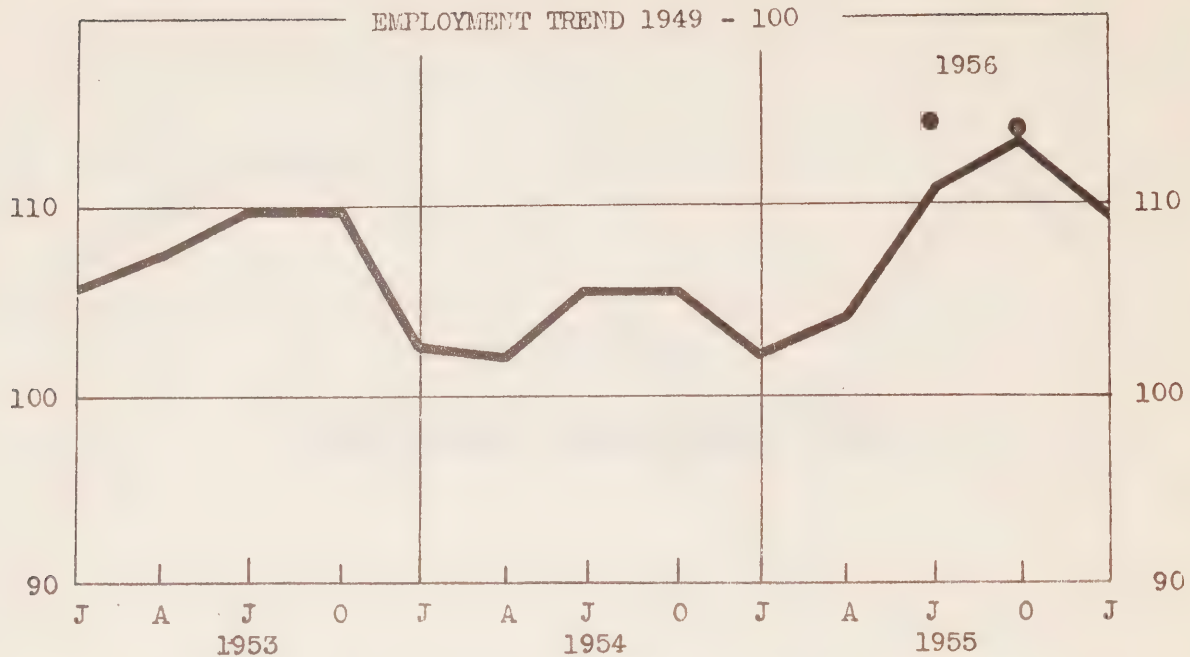
EMPLOYMENT TREND 1949 - 100



PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

|  | | Percentage Change | |
| Dates | Employment Index | Year to Year | From Jan. 1 1956 |
| --- | --- | --- | --- |
| D.B.S. (actual) Jan. 1, 1956 | 109.4 | + 7.1 | - |
| Projected to July 1/56 Target Date | 114.3 | + 3.1 | + 4.5 |
| Projected to Oct. 1/56 Target Date | 114.0 | + 0.6 | + 4.2 |

SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
| --- | --- | --- | --- | --- |
|  | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 0.82 | 2.04 | 2.59 | 3.06 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 17/17 | 4/4 | 12/17 |

* Not seasonally adjusted.

# CHEMICAL PRODUCTS
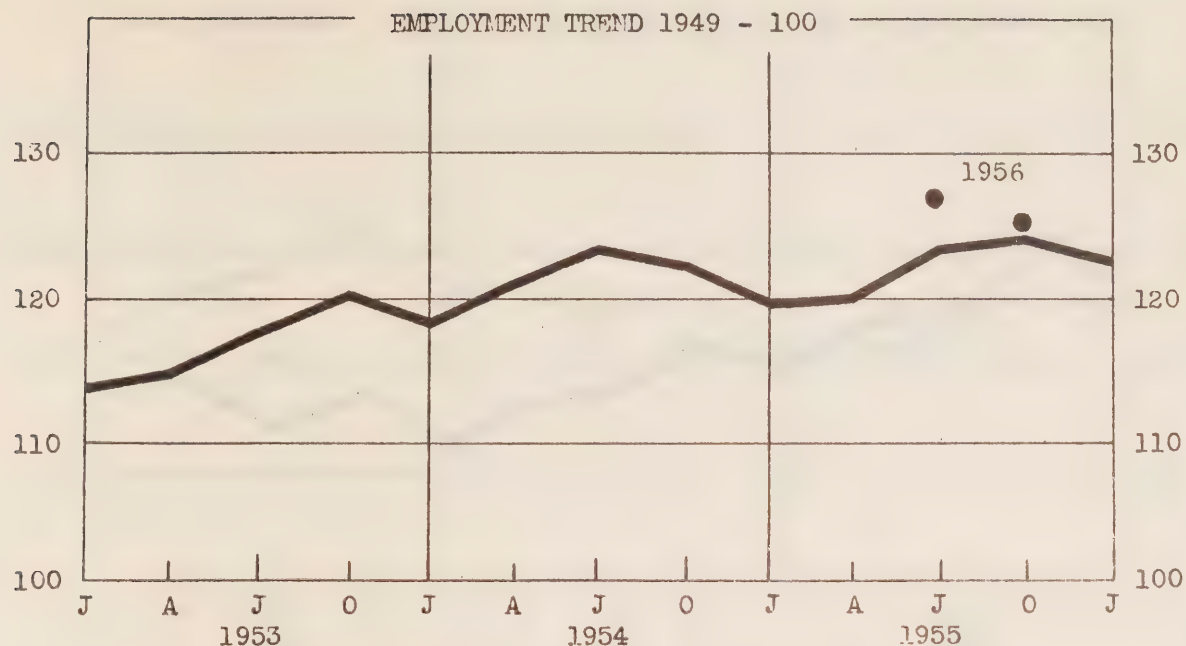
EMPLOYMENT TREND 1949 - 100



PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|-------|------------------|-------------------|--|
| | | Year to Year | From Jan. 1 1956 |
| D.E.S. (actual) Jan. 1, 1956 | 122.8 | + 2.7 | - |
| Projected to July 1/56 Target Date | 126.9 | + 2.8 | + 3.3 |
| Projected to Oct. 1/56 Target Date | 125.3 | + 1.0 | + 2.0 |

SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|------------------|-------------------------------|--|--------------------------------|--|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 0.42 | 1.76 | 1.96 | 1.81 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 12/17 | 4/4 | 12/17 |

# LEATHER PRODUCTS
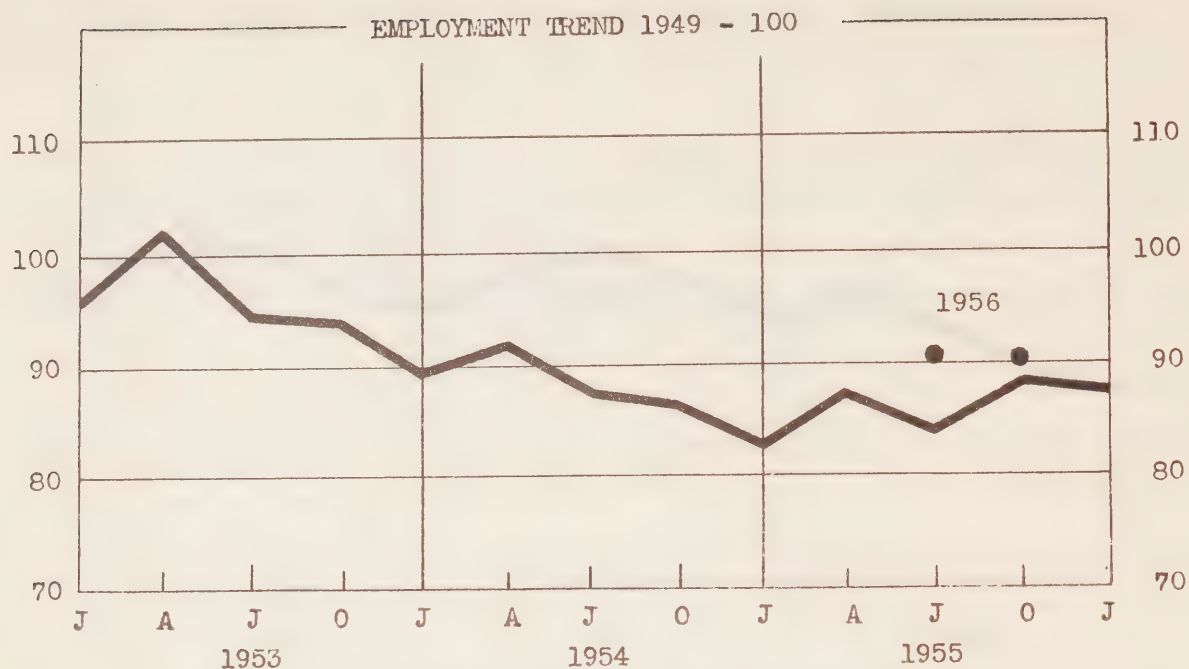
EMPLOYMENT TREND 1949 - 100



PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|-------|------------------|-------------------|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 87.9 | + 6.0 | - |
| Projected to July 1/56 Target Date | 90.9 | + 8.2 | + 3.4 |
| Projected to Oct. 1/56 Target Date | 90.5 | + 2.1 | + 3.0 |

SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|------------------|-------------------------------|---|--------------------------------|---|
| | For July 1 Target Dates 1953-1955 | All Target Dates Apr.1,1953 to Jan.1,1956 | For Oct. 1 Target Dates 1953-1955 | All Target Dates Jan.1,1953 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 3.42 | 4.28 | 3.91 | 6.10 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 2/3 | 6/12 | 2/3 | 8/13 |

# MISCELLANEOUS MANUFACTURING

EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 103.5 | + 3.1 | - |
| Projected to July 1/56 Target Date | 105.1 | + 2.7 | + 1.5 |
| Projected to Oct. 1/56 Target Date | 107.0 | + 0.7 | + 3.4 |

## SUMMARY ACCURACY RECORD

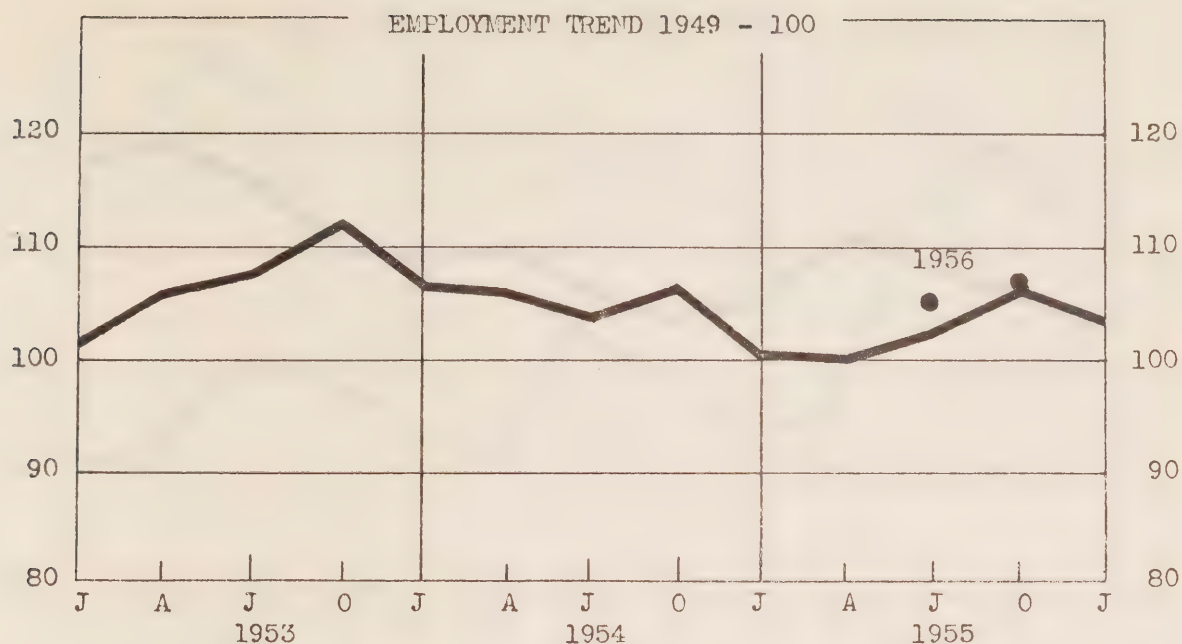| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1953-1955 | All Target Dates Apr.1,1953 to Jan.1,1956 | For Oct. 1 Target Dates 1953-1955 | All Target Dates Apr.1,1953 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 4.42 | 4.47 | 6.76 | 6.01 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 1/3 | 5/12 | 1/3 | 4/12 |

# NON-FERROUS METAL PRODUCTS
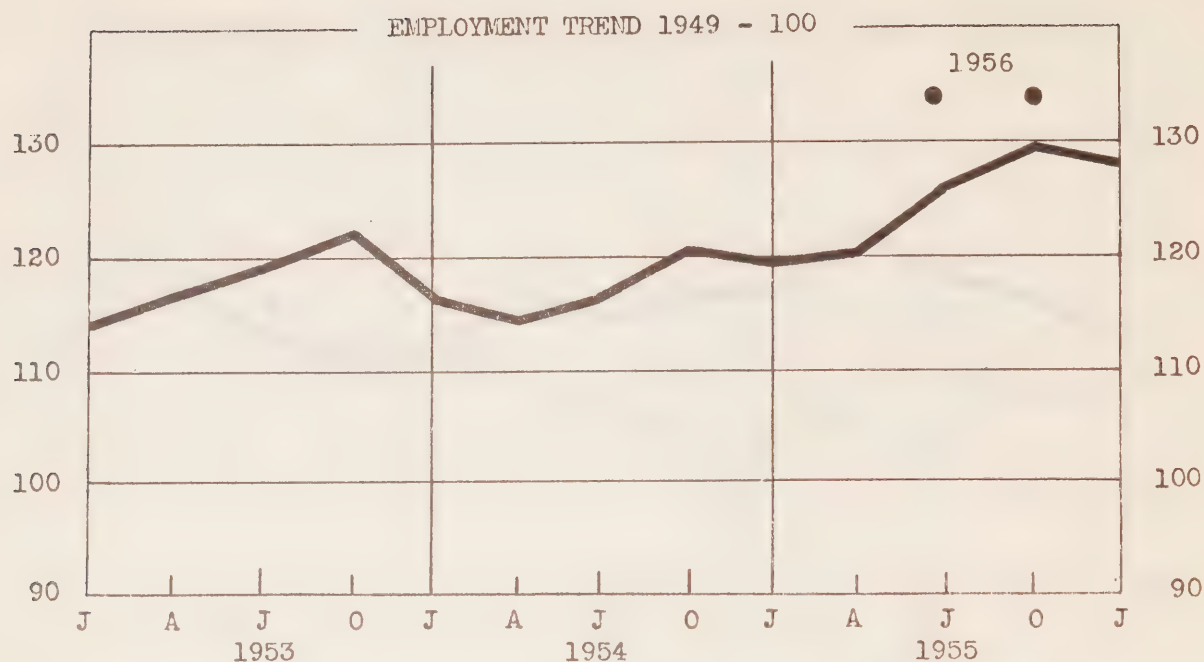
EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 128.2 | + 7.1 | - |
| Projected to July 1/56 Target Date | 133.8 | + 6.0 | + 4.4 |
| Projected to Oct. 1/56 Target Date | 133.8 | + 3.2 | + 4.4 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 1.32 | 2.87 | 4.13 | 4.09 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 3/4 | 10/17 | 3/4 | 10/17 |

# NON-METALLIC MINERAL PRODUCTS
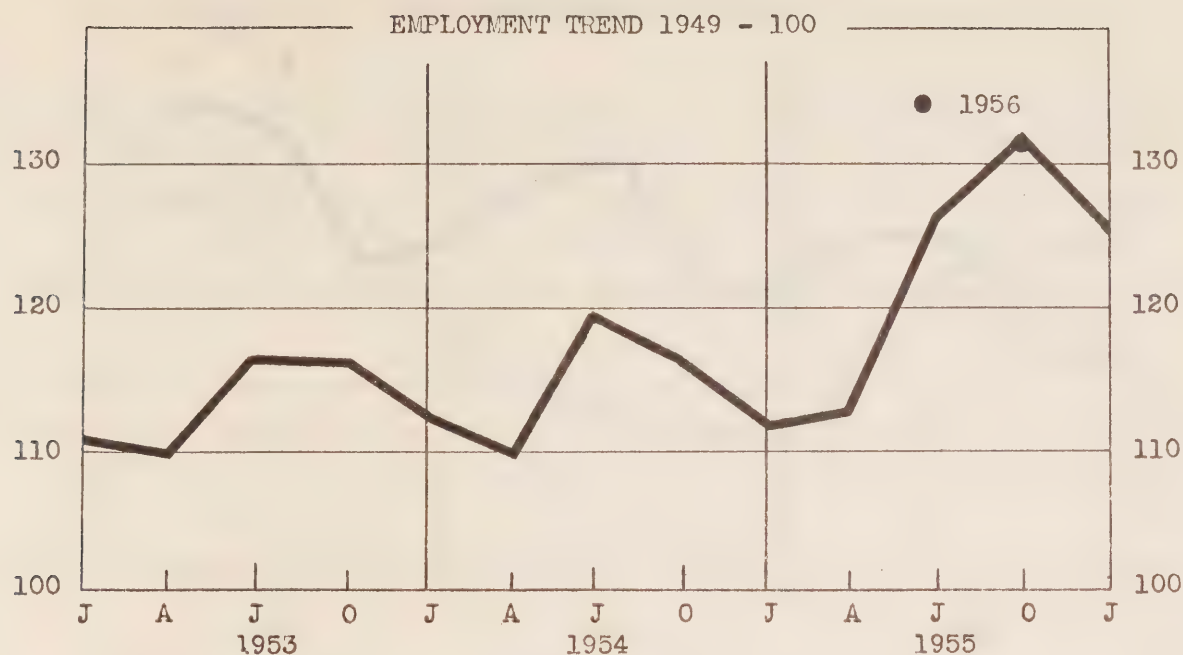
## EMPLOYMENT TREND 1949 - 100



● 1956

## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 125.6 | +12.4 | – |
| Projected to July 1/56 Target Date | 134.5 | + 6.2 | + 7.1 |
| Projected to Oct. 1/56 Target Date | 131.8 | – 0.1 | + 4.9 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 4.40 | 4.75 | 6.23 | 4.40 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 14/17 | 3/4 | 12/17 |

# PAPER PRODUCTS
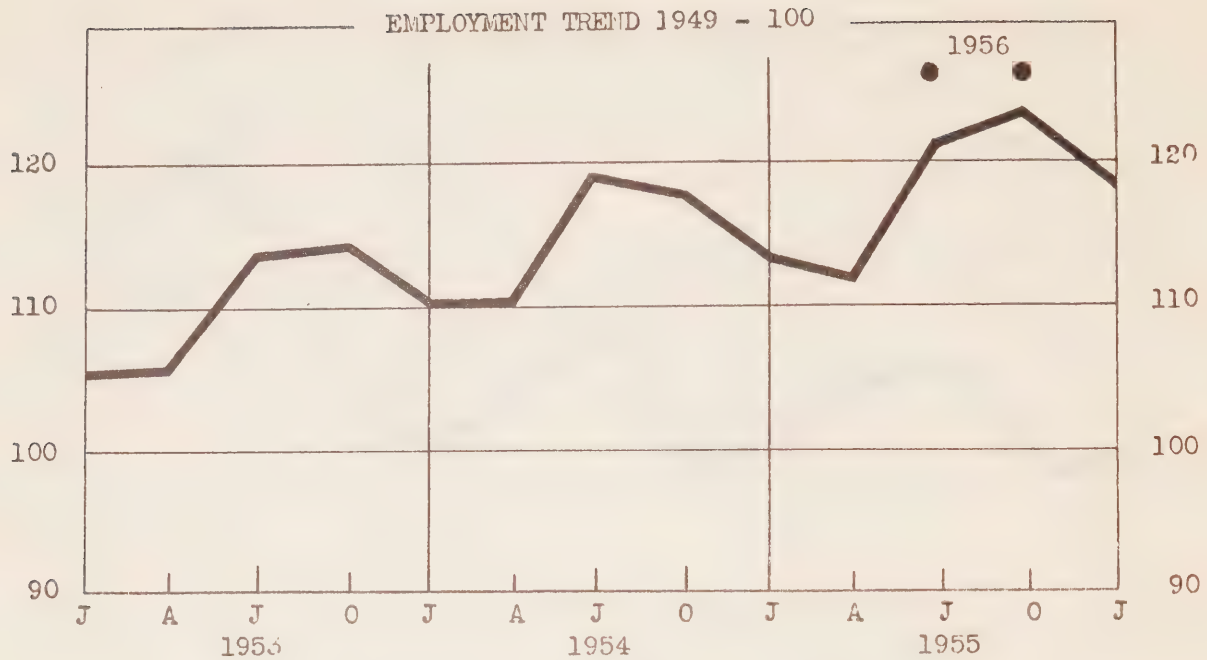
EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|-------|------------------|-------------------|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 118.6 | + 4.8 | - |
| Projected to July 1/56 Target Date | 126.1 | + 4.0 | + 6.3 |
| Projected to Oct. 1/56 Target Date | 126.1 | + 2.1 | + 6.3 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|------------------|-------------------------------|---|-------------------------------|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 2.96 | 2.39 | 2.93 | 2.39 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 17/17 | 4/4 | 15/17 |

# PRIMARY IRON AND STEEL

EMPLOYMENT TREND 1949 - 100



PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 114.4 | +21.1 | - |
| Projected to July 1/56 Target Date | 122.0 | + 8.4 | + 6.6 |
| Projected to Oct. 1/56 Target Date | 121.3 | + 5.6 | + 6.0 |

SUMMARY ACCURACY RECORD

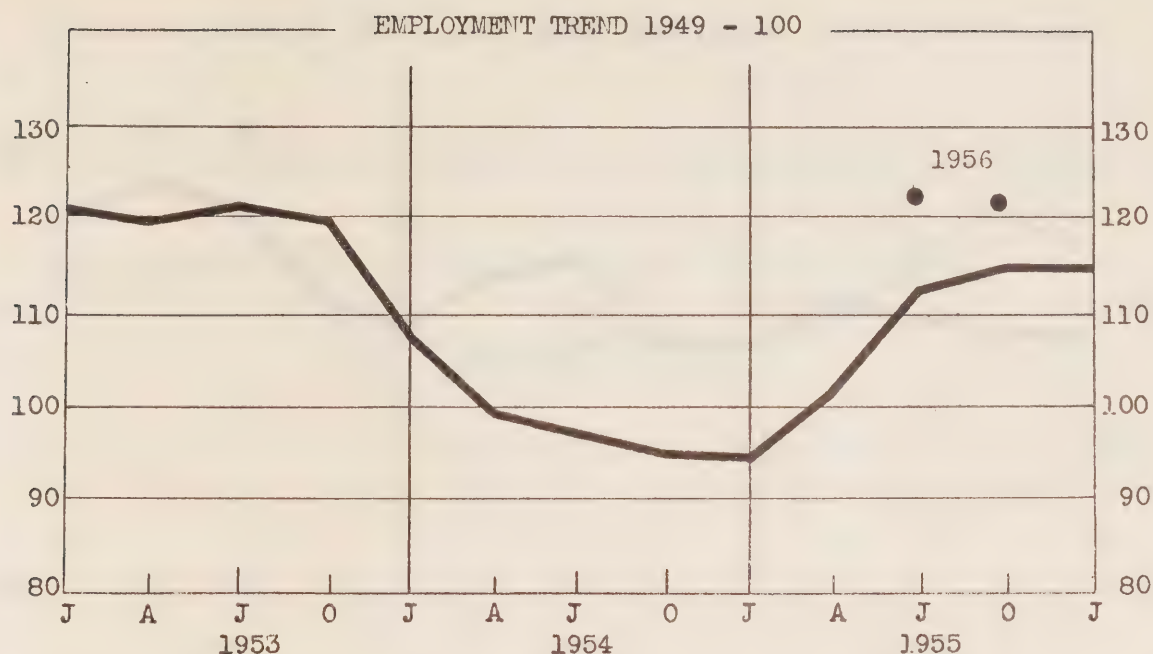| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 5.85 | 4.45 | 8.04 | 7.84 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 3/4 | 12/17 | 2/4 | 12/17 |

# PRODUCTS OF PETROLEUM AND COAL



EMPLOYMENT TREND 1949 - 100

● 1956

(J A J O | J A J O | J A J O J)
1953    1954    1955

## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 126.9 | + 6.5 | - |
| Projected to July 1/56 Target Date | 132.5 | + 3.8 | + 4.4 |
| Projected to Oct. 1/56 Target Date | 128.4 | - 0.9 | + 1.2 |

## SUMMARY ACCURACY RECORD

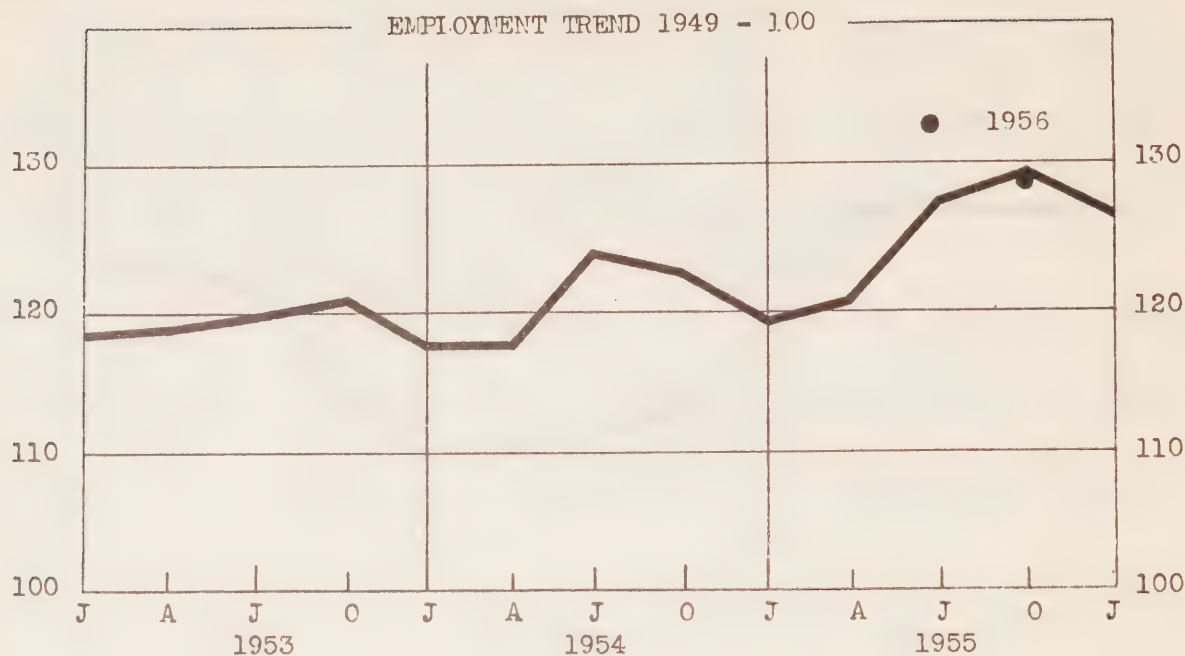| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 3.76 | 4.11 | 6.56 | 4.70 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 3/4 | 13/17 | 2/4 | 13/17 |
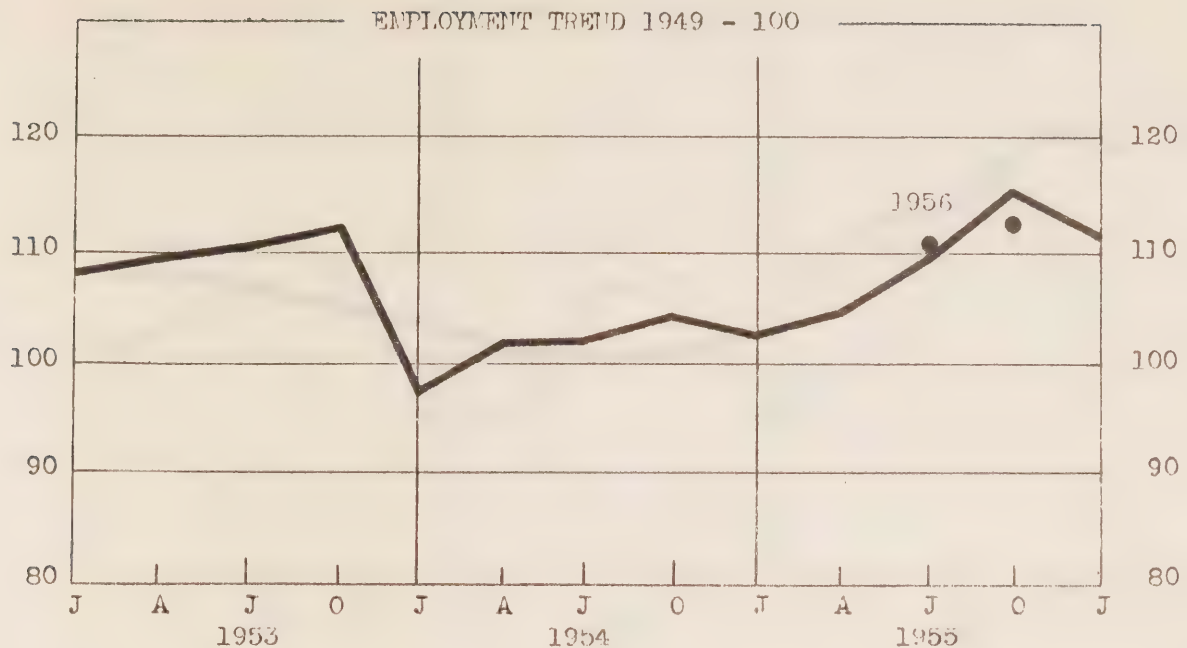
EMPLOYMENT TREND 1949 - 100



PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 111.3 | + 8.8 | - |
| Projected to July 1/56 Target Date | 110.7 | + 0.9 | - 0.5 |
| Projected to Oct. 1/56 Target Date | 112.5 | - 2.4 | + 1.1 |

SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 2.14 | 3.34 | 3.27 | 4.45 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 13/17 | 4/4 | 13/17 |

# TEXTILE PRODUCTS
## (except Clothing)

EMPLOYMENT TREND 1949 - 100



PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change Year to Year | Percentage Change From Jan. 1 1956 |
|---|---|---|---|
| D.B.S. (actual) Jan. 1, 1956 | 87.4 | + 6.3 | - |
| Projected to July 1/56 Target Date | 86.9 | + 1.5 | - 0.6 |
| Projected to Oct. 1/56 Target Date | 87.3 | - 0.1 | - 0.1 |

SUMMARY ACCURACY RECORD

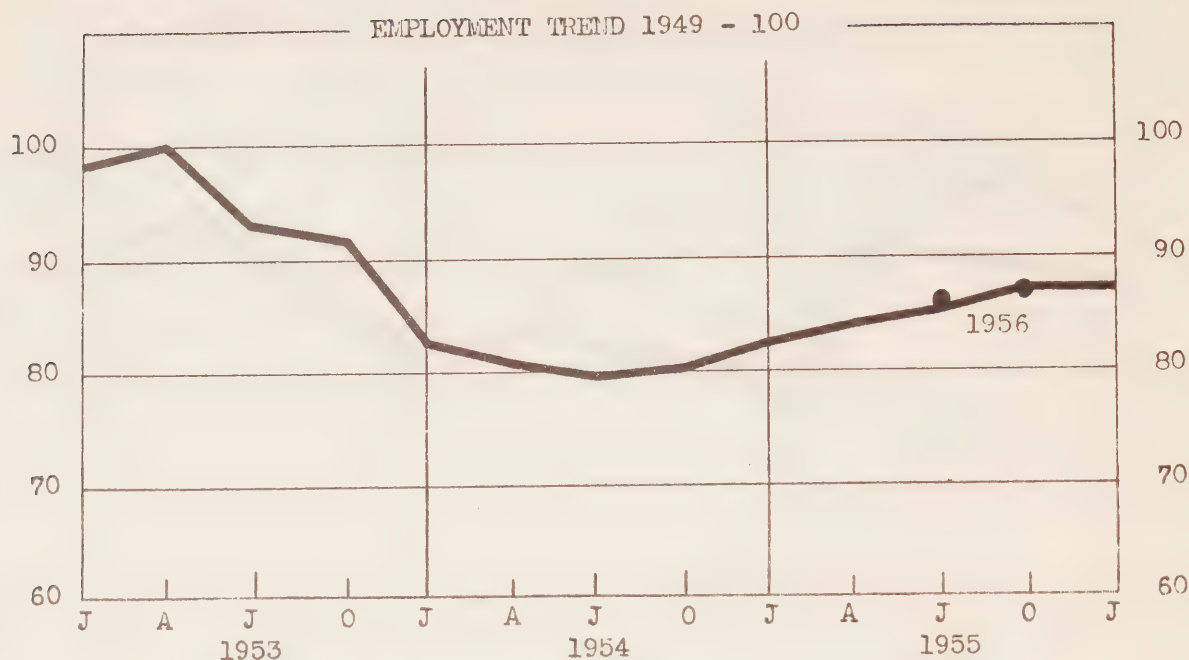| Accuracy Measure | Short-Term E.F.S. Projections For July 1 Target Dates 1952-1955 | Short-Term E.F.S. Projections All Target Dates Jan.1,1952 to Jan.1,1956 | Longer-Term E.F.S. Projections For Oct. 1 Target Dates 1952-1955 | Longer-Term E.F.S. Projections All Target Dates Jan.1,1952 to Jan.1,1956 |
|---|---|---|---|---|
| Average percentage difference between actual and projected employment indices | 3.34 | 4.30 | 4.72 | 7.17 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 3/4 | 13/17 | 2/4 | 9/17 |

# WOOD PRODUCTS
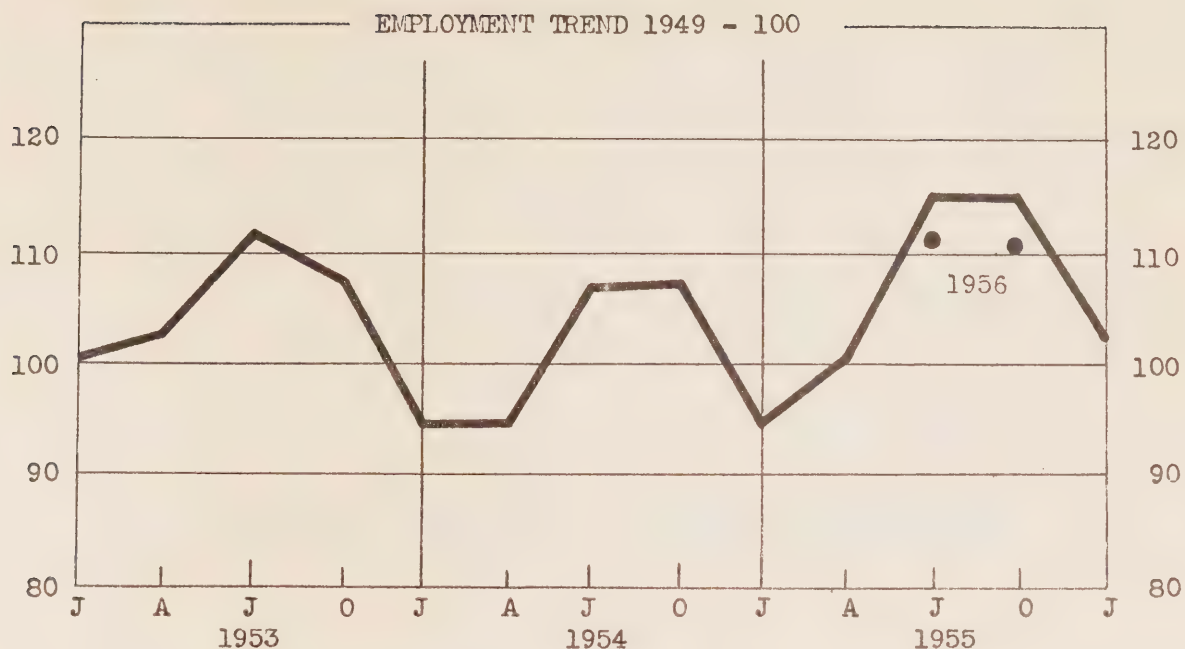
EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 102.1 | + 7.7 | - |
| Projected to July 1/56 Target Date | 111.3 | - 3.6 | + 9.0 |
| Projected to Oct. 1/56 Target Date | 110.9 | - 3.9 | + 8.6 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 2.01 | 4.44 | 6.50 | 5.47 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 17/17 | 4/4 | 12/17 |

# CONSUMER FINISHED GOODS INDUSTRIES

- Clothing
- Electrical Apparatus and Supplies (Except Heavy Electrical Machinery)
- Food and Beverages
- Furniture, Household Machinery and Apparatus
- Printing, Publishing and Bookbinding
- Tobacco Products
- Vehicles

# CONSUMER FINISHED GOODS INDUSTRIES*
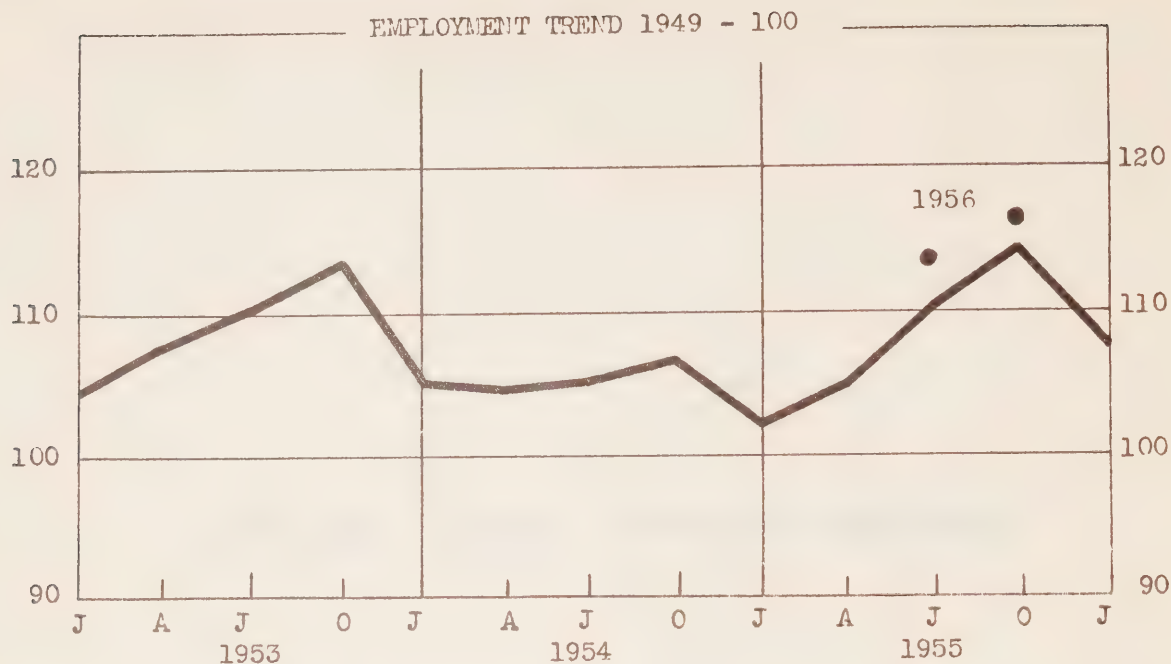
EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|-------|------------------|-------------------|---|
| | | Year to Year | From Jan. 1 1956 |
| D.R.S. (actual) Jan. 1, 1956 | 107.9 | + 5.5 | - |
| Projected to July 1/56 Target Date | 113.6 | + 2.8 | + 5.3 |
| Projected to Oct. 1/56 Target Date | 116.5 | + 1.8 | + 8.0 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|------------------|----------------------|----------------------|----------------------|----------------------|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 3.11 | 1.97 | 3.95 | 3.19 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 16/17 | 4/4 | 13/17 |

* Not seasonally adjusted.

EMPLOYMENT TREND 1949 - 100
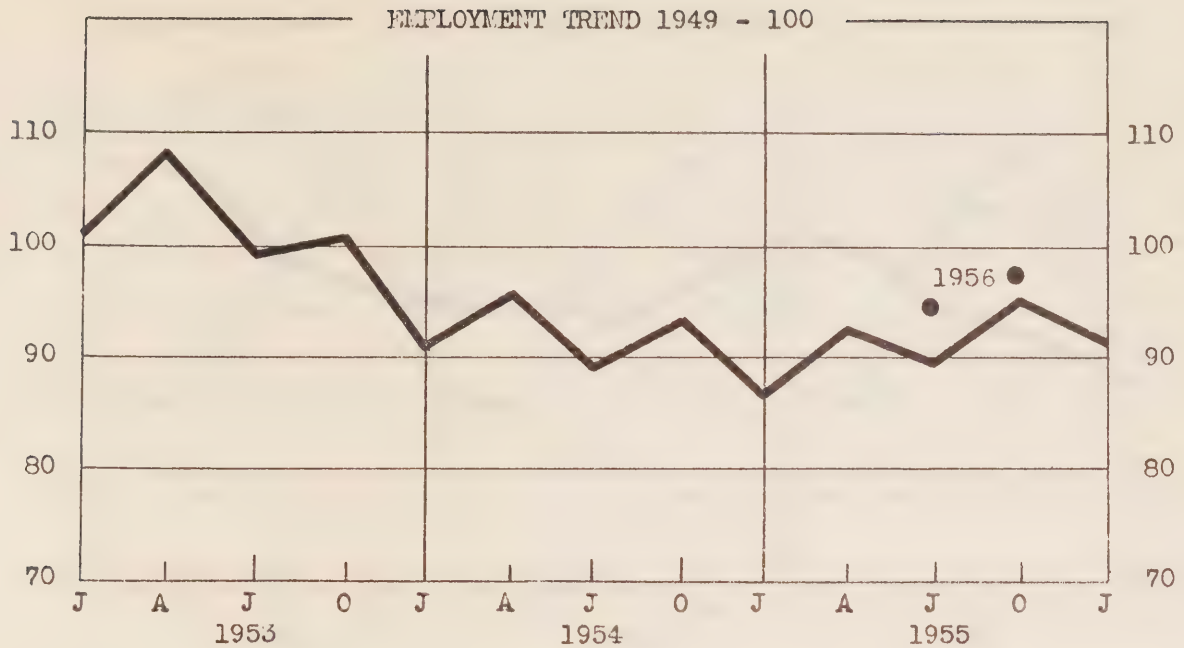
## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| | | Percentage Change | |
|---|---|---|---|
| Dates | Employment Index | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 91.7 | + 6.3 | - |
| Projected to July 1/56 Target Date | 94.5 | + 5.5 | + 3.0 |
| Projected to Oct. 1/56 Target Date | 97.4 | + 2.2 | + 6.2 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 6.56 | 4.70 | 7.39 | 6.33 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 1/4 | 9/17 | 2/4 | 11/17 |

## ELECTRICAL APPARATUS AND SUPPLIES
### (except Heavy Electrical Machinery)
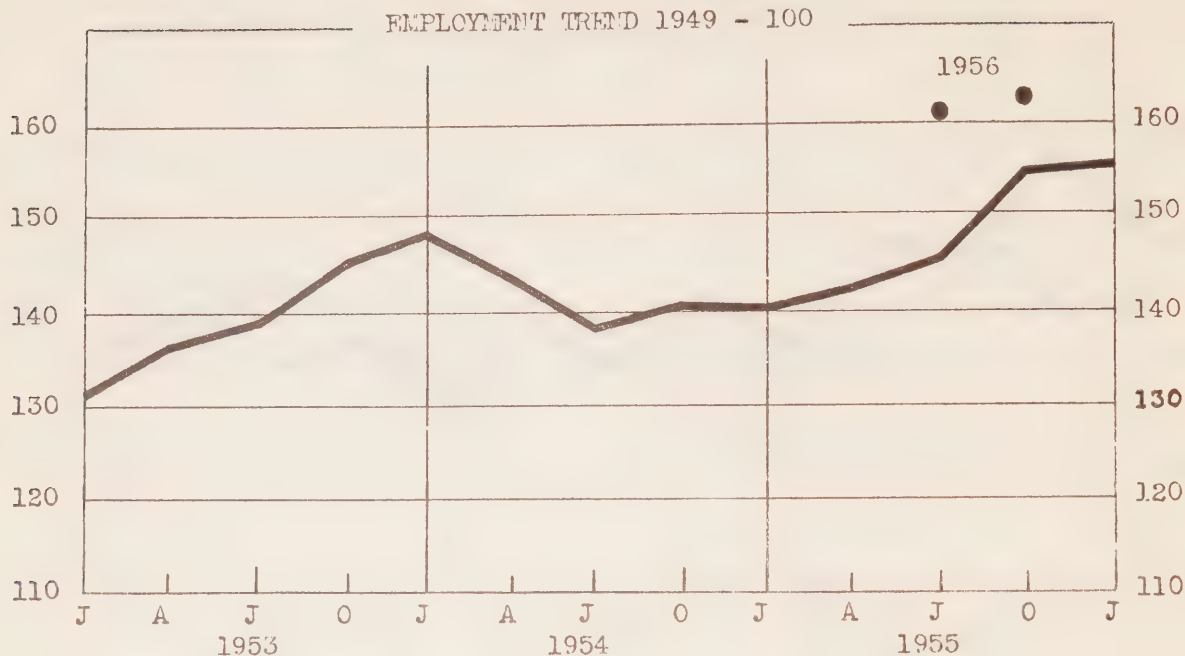
EMPLOYMENT TREND 1949 - 100



PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
| --- | --- | --- | --- |
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 155.7 | +10.7 | - |
| Projected to July 1/56 Target Date | 161.0 | +10.6 | + 3.4 |
| Projected to Oct. 1/56 Target Date | 162.9 | + 5.3 | + 4.6 |

SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
| --- | --- | --- | --- | --- |
| | For July 1 Target Dates 1953-1955 | All Target Dates Jan.1,1953 to Jan.1,1956 | For Oct. 1 Target Dates 1953-1955 | All Target Dates July 1,1953 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 3.54 | 3.62 | 6.01 | 4.87 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 2/3 | 10/13 | 2/3 | 9/12 |

# FOOD AND BEVERAGES
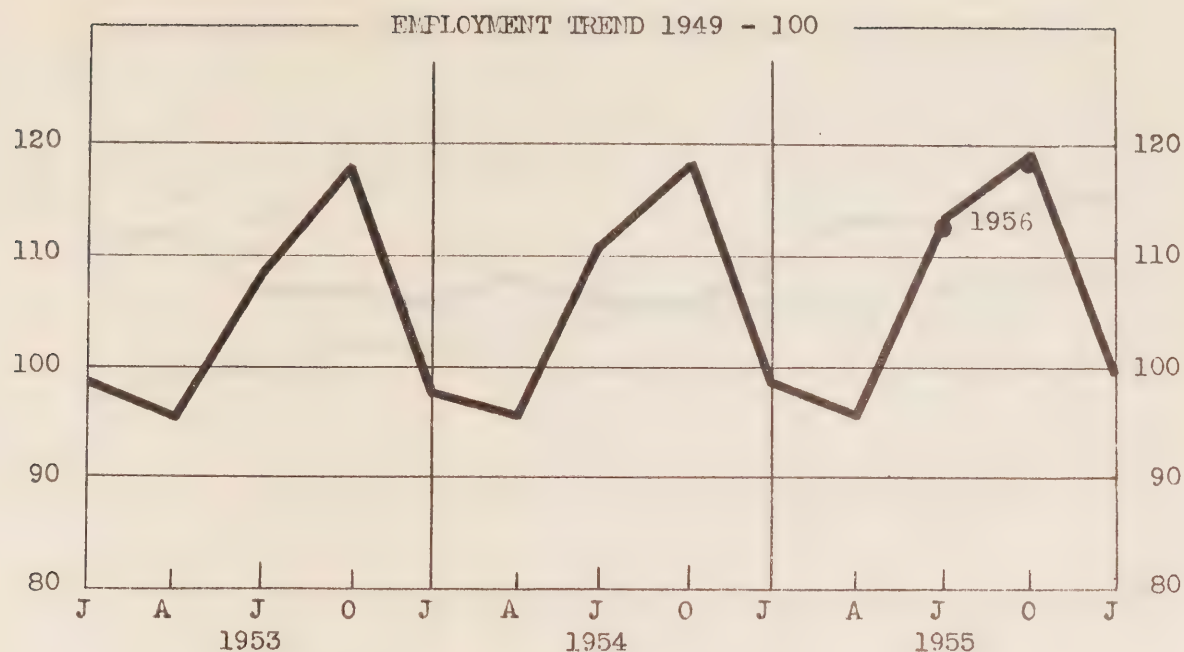
EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 99.4 | + 1.0 | - |
| Projected to July 1/56 Target Date | 112.9 | - 0.7 | +13.6 |
| Projected to Oct. 1/56 Target Date | 118.6 | - 0.6 | +19.3 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct.1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 2.41 | 1.86 | 1.69 | 1.83 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 17/17 | 4/4 | 17/17 |

# FURNITURE, HOUSEHOLD MACHINERY AND APPARATUS



EMPLOYMENT TREND 1949 - 100

## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 101.5 | + 5.5 | - |
| Projected to July 1/56 Target Date | 100.5 | + 3.5 | - 1.0 |
| Projected to Oct. 1/56 Target Date | 105.9 | + 2.9 | + 4.3 |

## SUMMARY ACCURACY RECORD

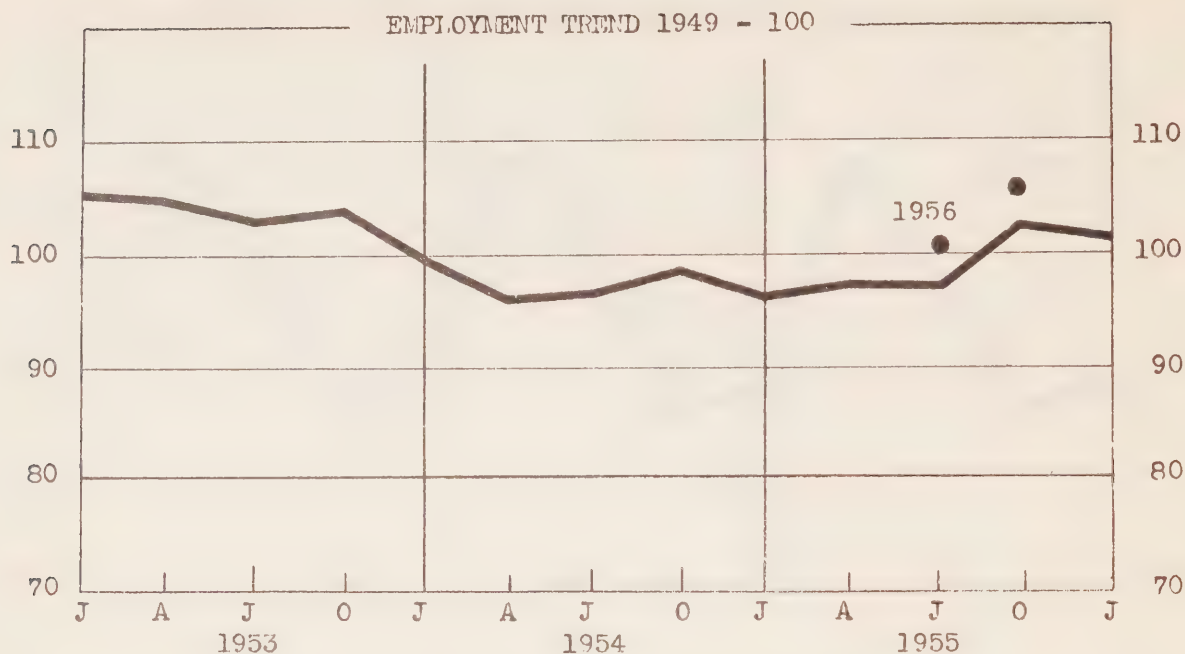| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1953-1955 | All Target Dates Jan.1,1953 to Jan.1,1956 | For Oct. 1 Target Dates 1953-1955 | All Target Dates Apr.1,1953 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 2.08 | 2.55 | 2.92 | 3.46 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 2/3 | 11/13 | 2/3 | 7/12 |

# PRINTING, PUBLISHING AND BOOKBINDING
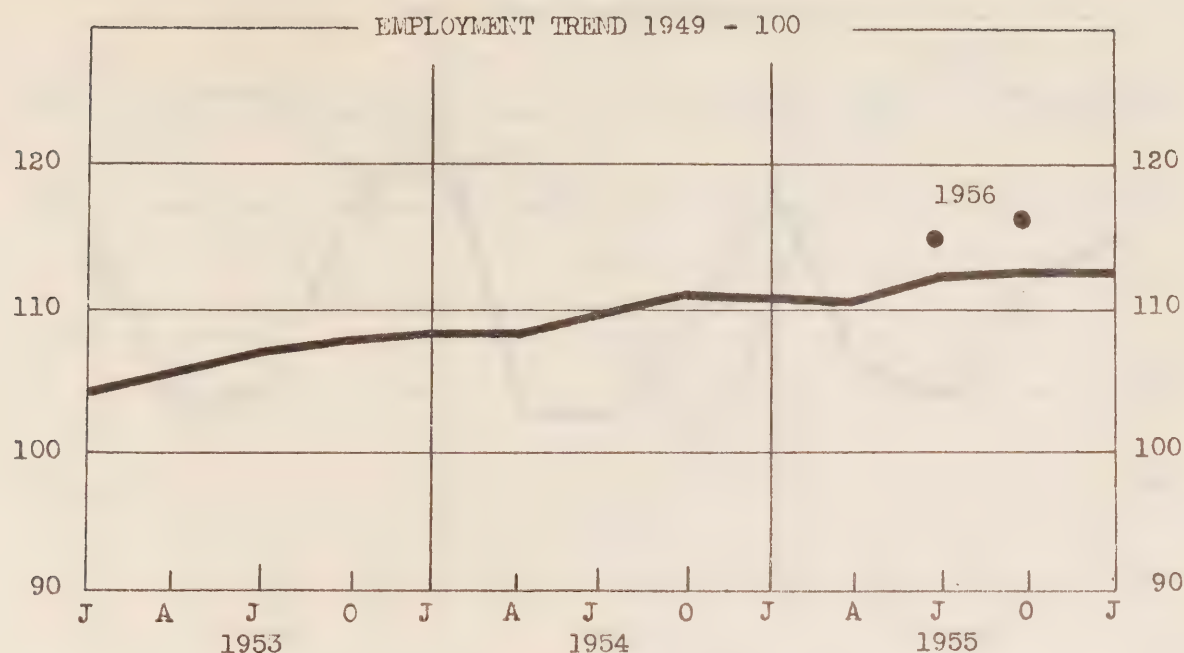


EMPLOYMENT TREND 1949 - 100

## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 112.6 | + 1.4 | - |
| Projected to July 1/56 Target Date | 115.0 | + 2.5 | + 2.1 |
| Projected to Oct. 1/56 Target Date | 116.2 | + 3.3 | + 3.2 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1953-1955 | All Target Dates Apr.1,1953 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1953 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 1.28 | 1.75 | 2.01 | 2.04 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 2/3 | 6/12 | 2/3 | 6/13 |

# TOBACCO PRODUCTS
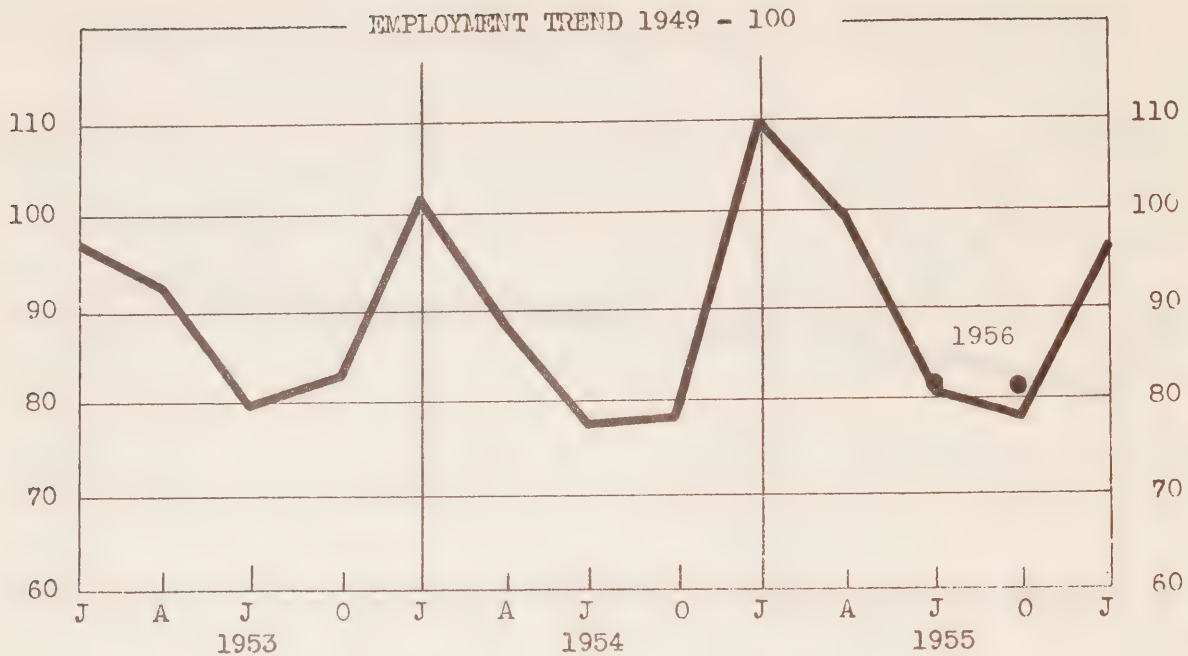
EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|-------|------------------|-------------------|-------|
| | | Year to Year | From Jan. 1 1956 |
| D.R.S. (actual) Jan. 1, 1956 | 96.7 | -12.0 | - |
| Projected to July 1/56 Target Date | 81.6 | + 1.6 | -15.6 |
| Projected to Oct. 1/56 Target Date | 81.7 | + 3.8 | -15.5 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|------------------|-------------------------------|---|--------------------------------|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Apr.1,1953 to Jan.1,1956 | For Oct. 1 Target Dates 1953-1955 | All Target Dates Jan.1,1953 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 5.25 | 10.17 | 4.17 | 6.04 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 3/3 | 10/12 | 3/3 | 10/13 |

# VEHICLES
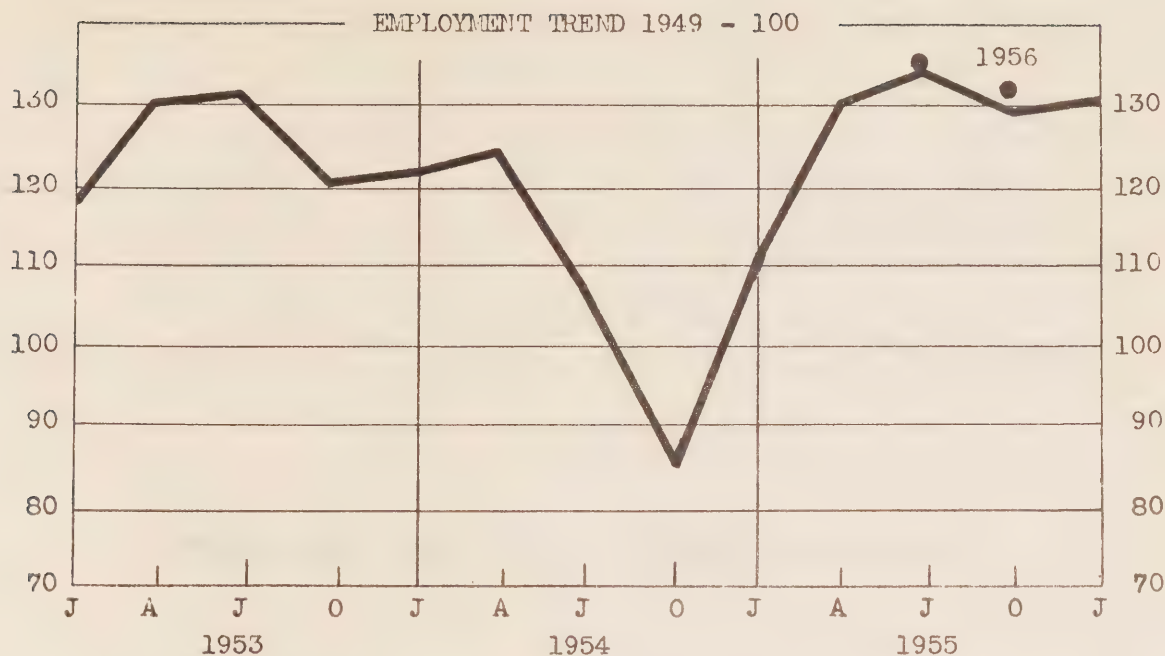
EMPLOYMENT TREND 1949 - 100



PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 130.3 | +16.9 | - |
| Projected to July 1/56 Target Date | 135.3 | + 1.0 | + 3.8 |
| Projected to Oct. 1/56 Target Date | 132.2 | + 2.2 | + 1.5 |

SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 6.79 | 4.99 | 14.51 | 8.51 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 3/4 | 15/17 | 4/4 | 14/17 |

# PRODUCER FINISHED GOODS INDUSTRIES

- Agricultural Implements
- Aircraft
- Fabricated Iron and Steel
- Industrial, Office and Business Machinery
- Railway Rolling Stock
- Shipbuilding and Repairing

# PRODUCER FINISHED GOODS INDUSTRIES.*
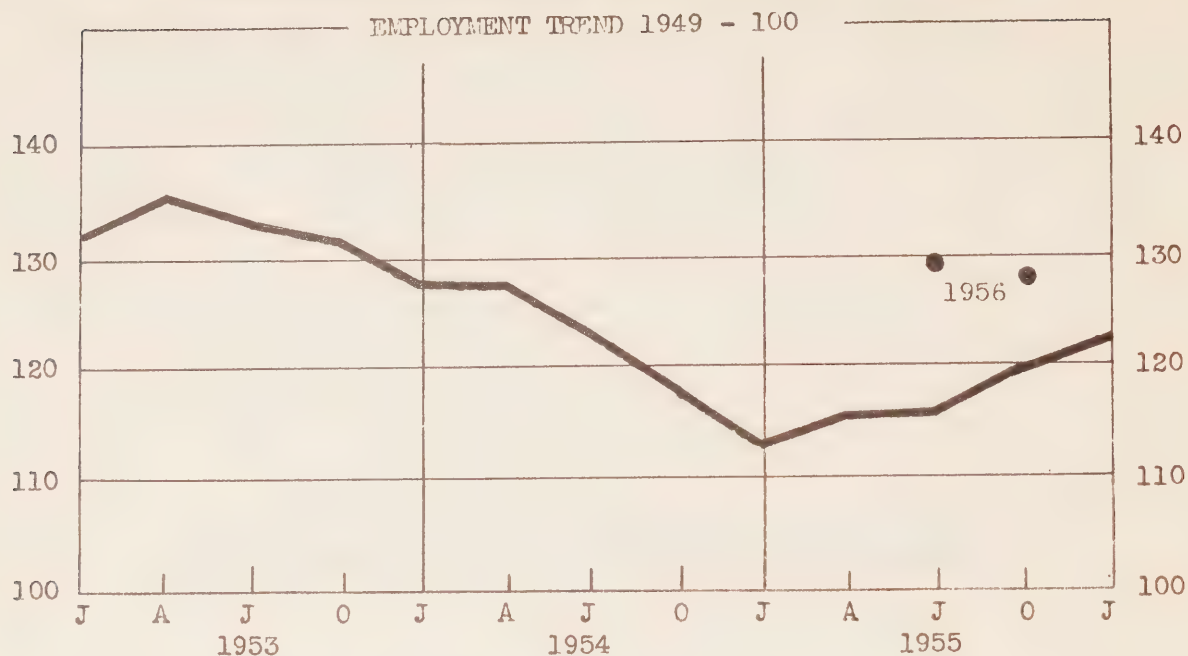


EMPLOYMENT TREND 1949 - 100

## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 122.3 | + 8.4 | - |
| Projected to July 1/56 Target Date | 129.0 | +11.4 | + 5.5 |
| Projected to Oct. 1/56 Target Date | 127.8 | + 6.8 | + 4.5 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 1.94 | 1.84 | 3.46 | 3.08 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 15/17 | 2/4 | 14/17 |

* Not seasonally adjusted.

# AGRICULTURAL IMPLEMENTS
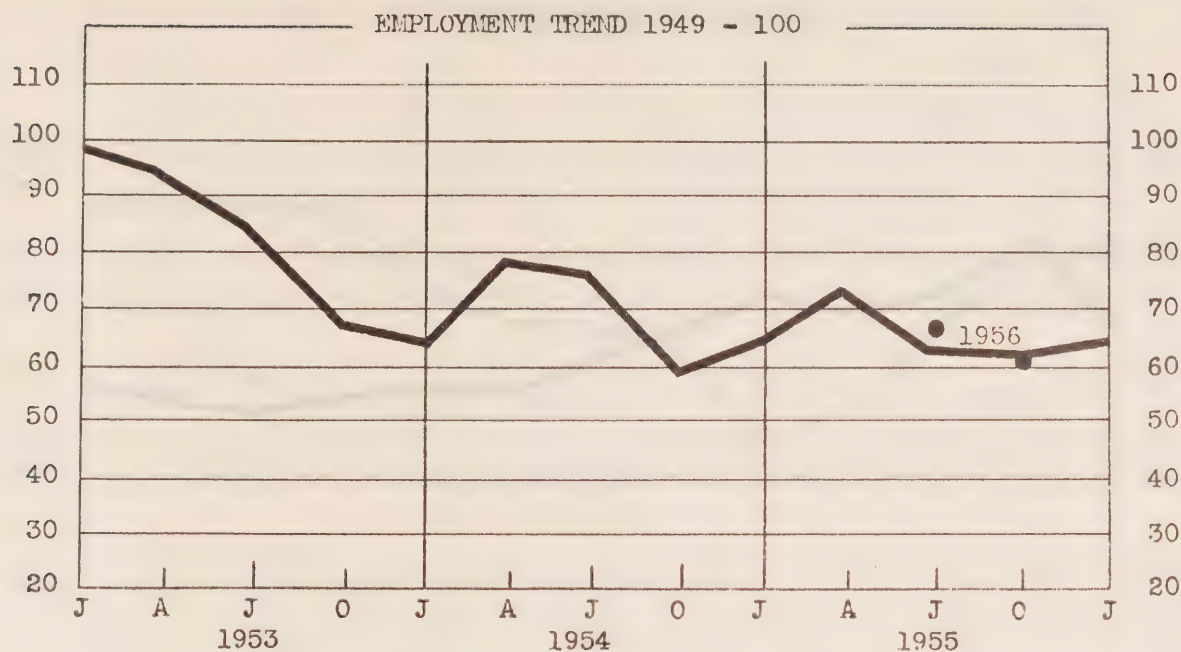
EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 64.4 | + 0.6 | - |
| Projected to July 1/56 Target Date | 66.3 | + 6.4 | + 2.9 |
| Projected to Oct. 1/56 Target Date | 61.3 | - 1.0 | - 4.8 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 13.30 | 13.41 | 11.05 | 13.40 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 14/17 | 3/4 | 12/17 |

# AIRCRAFT
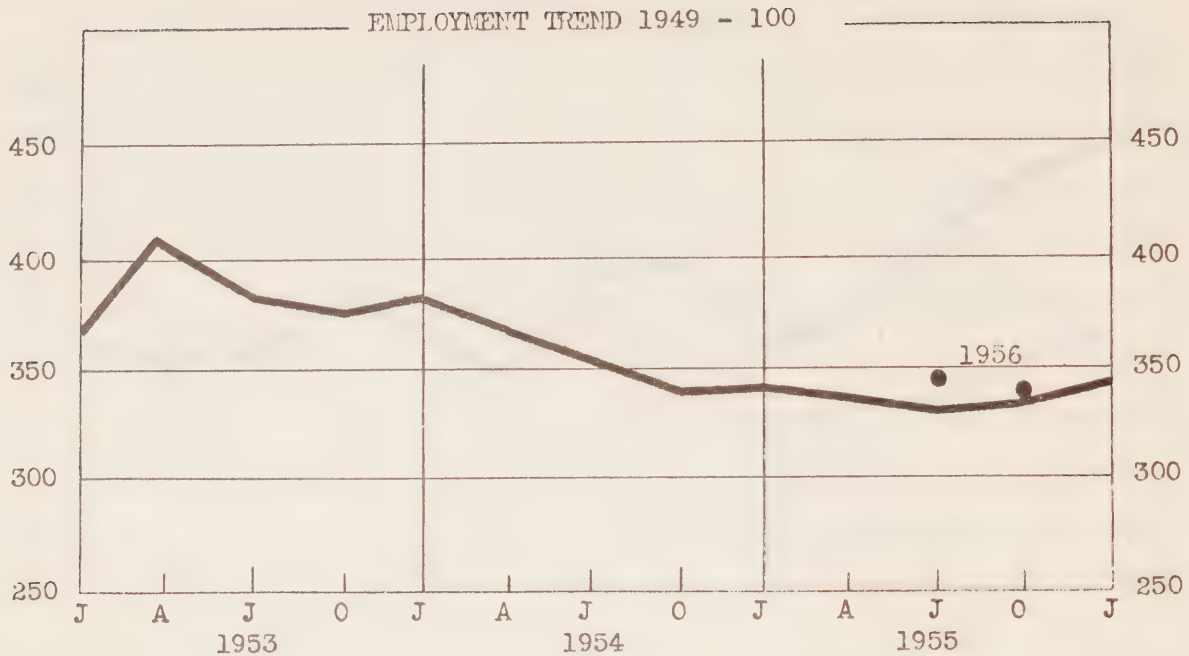
EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 344.8 | + 1.3 | - |
| Projected to July 1/56 Target Date | 344.8 | + 3.9 | 0.0 |
| Projected to Oct. 1/56 Target Date | 338.6 | + 1.3 | - 1.8 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates July 1,1952 to Jan. 1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Oct.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 8.65 | 5.79 | 9.20 | 6.37 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 12/15 | 4/4 | 13/14 |

# FABRICATED IRON AND STEEL
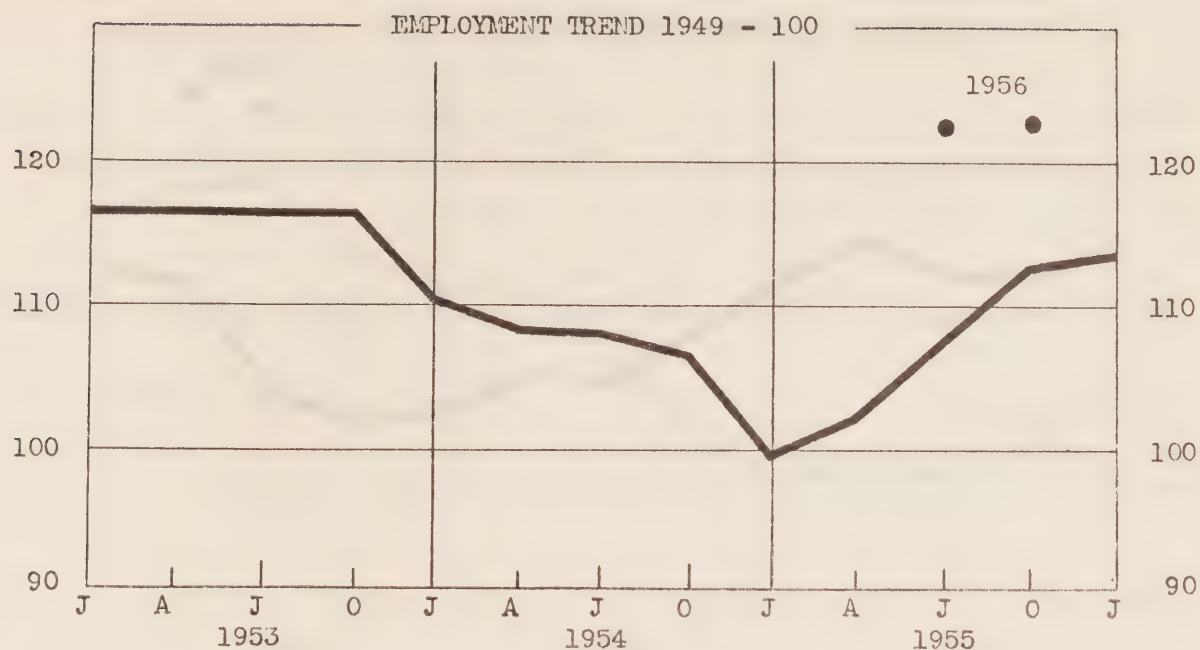


EMPLOYMENT TREND 1949 - 100

## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|-------|------------------|-------------------|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 113.6 | +13.9 | - |
| Projected to July 1/56 Target Date | 122.5 | +13.8 | + 7.8 |
| Projected to Oct. 1/56 Target Date | 122.8 | + 9.1 | + 8.1 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|------------------|------------------------------|---|-------------------------------|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 3.20 | 3.18 | 3.15 | 3.97 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 1/4 | 9/17 | 3/4 | 11/17 |

# INDUSTRIAL, OFFICE AND BUSINESS MACHINERY
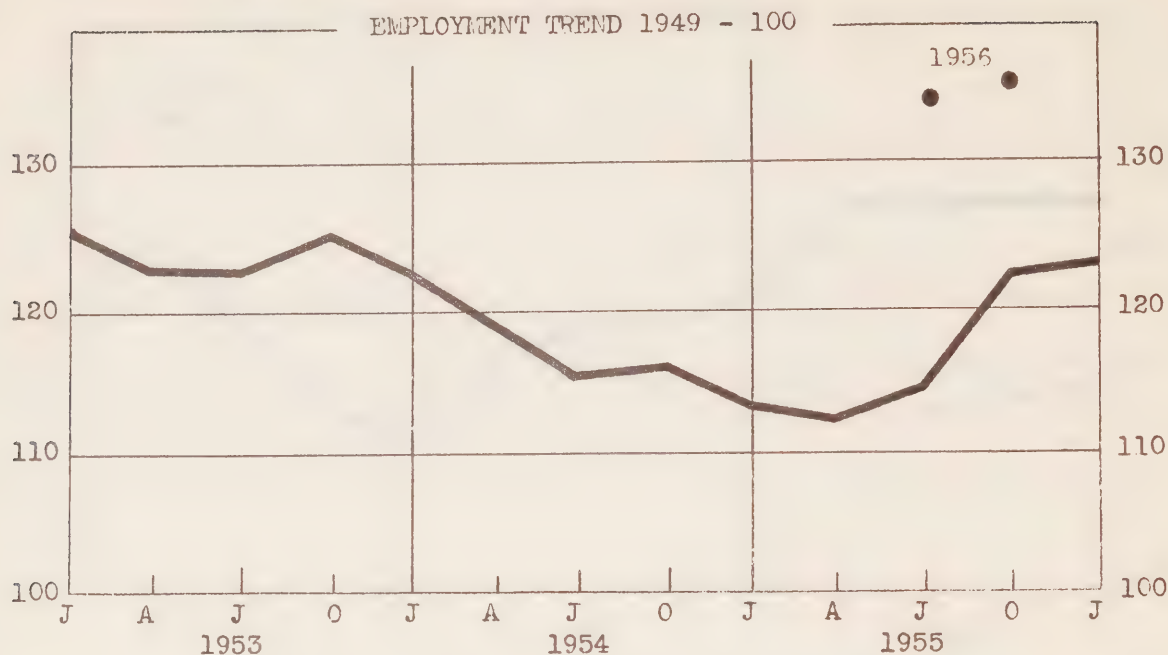


EMPLOYMENT TREND 1949 - 100

## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.R.S. (actual) Jan. 1, 1956 | 123.1 | + 8.5 | - |
| Projected to July 1/56 Target Date | 134.4 | +17.1 | + 9.2 |
| Projected to Oct. 1/56 Target Date | 135.8 | +10.9 | +10.3 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 3.09 | 2.80 | 5.27 | 3.99 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 2/4 | 9/17 | 2/4 | 10/17 |

# RAILWAY ROLLING STOCK
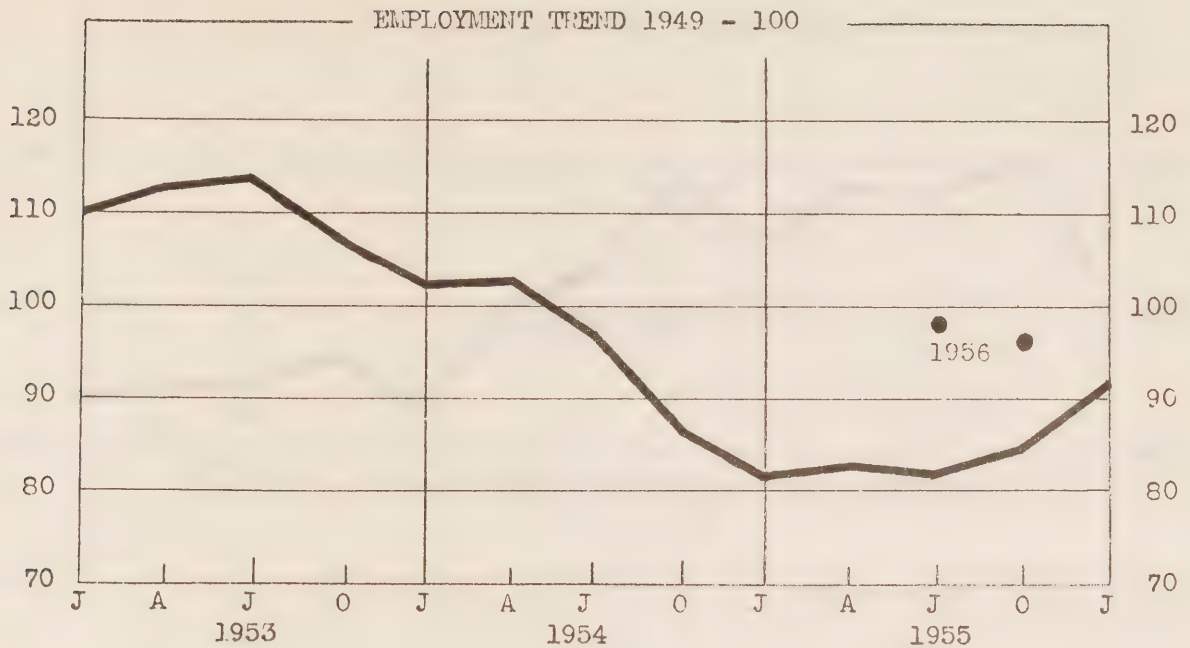
EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.R.S. (actual) Jan. 1, 1956 | 91.7 | +13.1 | - |
| Projected to July 1/56 Target Date | 97.9 | +19.5 | + 6.8 |
| Projected to Oct. 1/56 Target Date | 96.0 | +14.0 | + 4.7 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates July 1,1952 to Jan. 1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Oct.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 5.57 | 7.20 | 9.45 | 9.51 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 2/4 | 9/15 | 1/4 | 6/14 |

# SHIPBUILDING AND REPAIRING
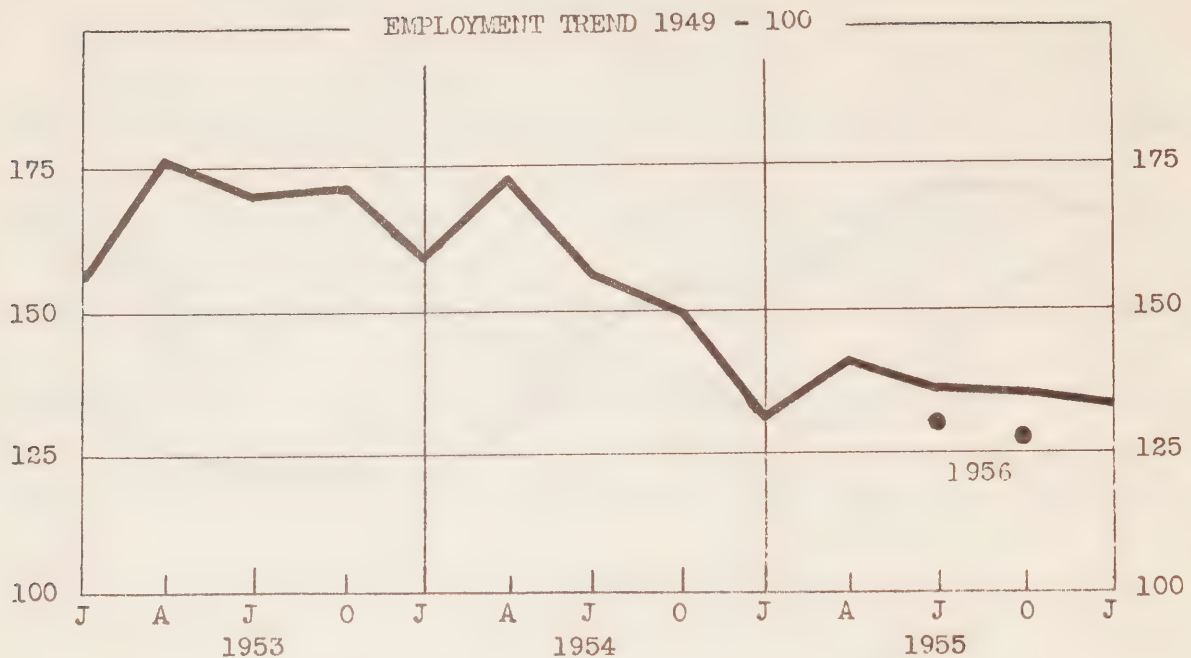


EMPLOYMENT TREND 1949 - 100

## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|-------|------------------|-------------------|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 133.2 | + 0.8 | - |
| Projected to July 1/56 Target Date | 129.6 | - 5.3 | - 2.7 |
| Projected to Oct. 1/56 Target Date | 123.7 | - 8.8 | - 7.1 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|------------------|-------------------------------|---|-------------------------------|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates July 1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Oct.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 3.37 | 5.36 | 6.09 | 7.11 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 3/4 | 11/15 | 3/4 | 11/14 |

# SELECTED

# NON - MANUFACTURING   INDUSTRIES

- Communications – Telephones
- Department Stores and Mail Order Houses
- Electric Power
- Logging – British Columbia
- Logging – Manitoba and East
- Metal Mining
- Mining of Fuels
- Non-Metallic Mining

## COMMUNICATIONS – TELEPHONES
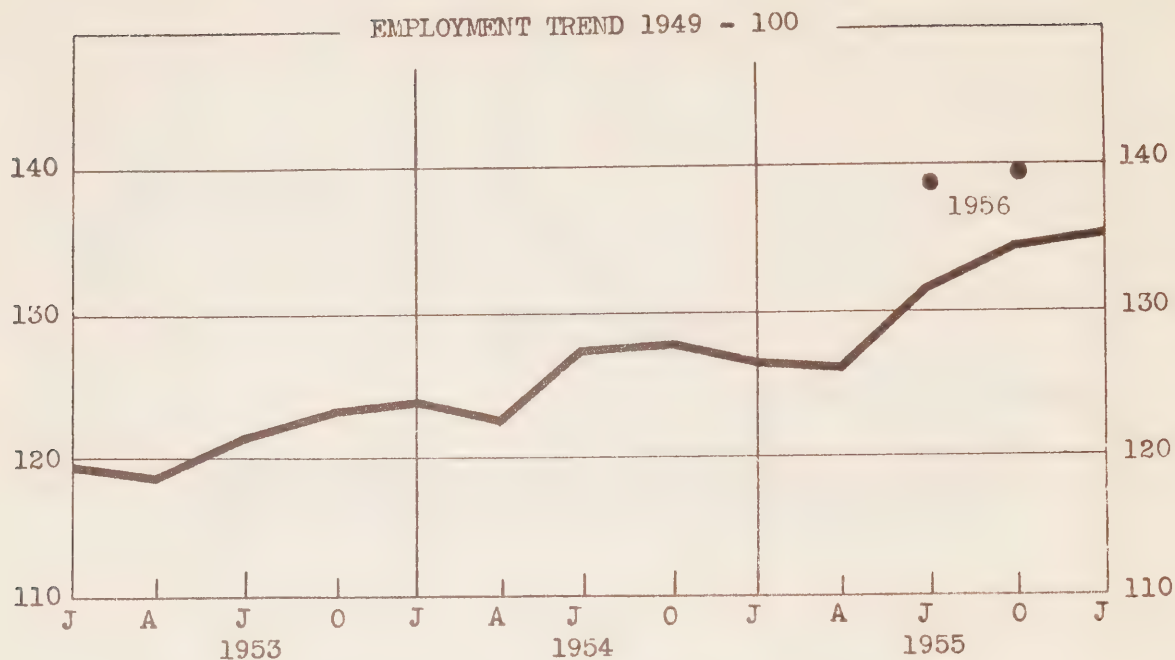
EMPLOYMENT TREND 1949 – 100



### PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 135.3 | + 7.0 | - |
| Projected to July 1/56 Target Date | 138.7 | + 5.2 | + 2.5 |
| Projected to Oct. 1/56 Target Date | 139.2 | + 3.4 | + 2.9 |

### SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 0.87 | 1.34 | 1.96 | 1.61 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 14/17 | 3/4 | 14/17 |

# DEPARTMENT STORES AND MAIL ORDER HOUSES

EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change Year to Year | From Jan. 1 1956 |
|---|---|---|---|
| D.B.S. (actual) Jan. 1, 1956 | 129.9 | + 8.4 | - |
| Projected to July 1/56 Target Date | 110.8 | + 8.6 | -14.7 |
| Projected to Oct. 1/56 Target Date | 113.3 | + 6.1 | -12.8 |

Note: Actual employment figures are not available prior to March 1, 1954.[2]
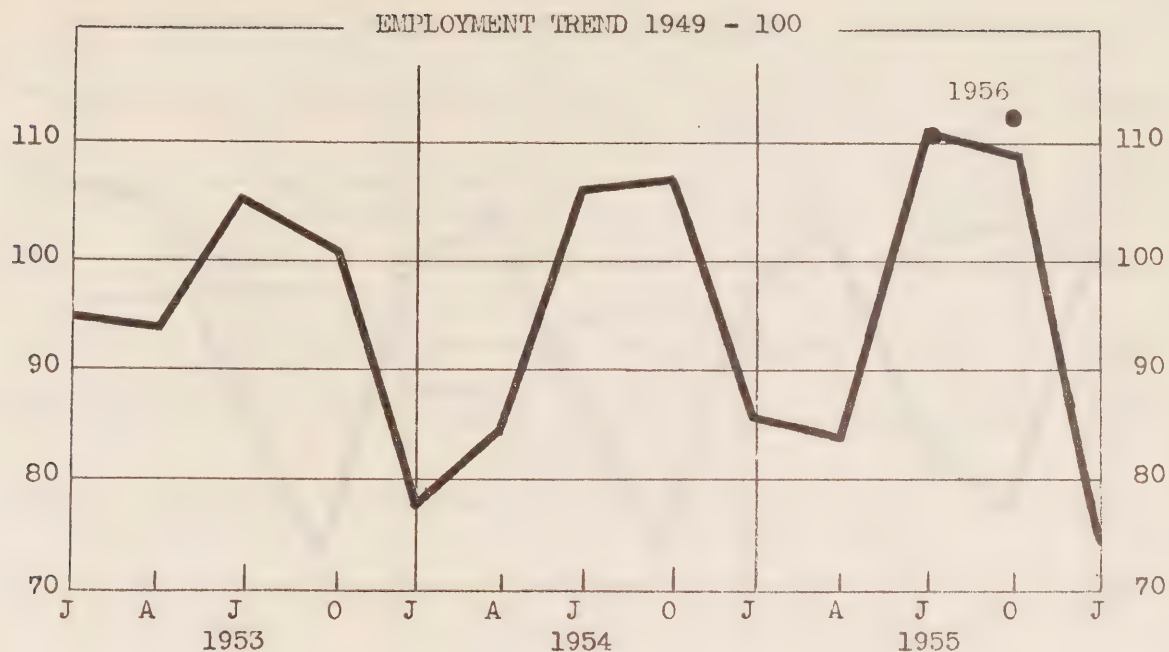
# ELECTRIC POWER
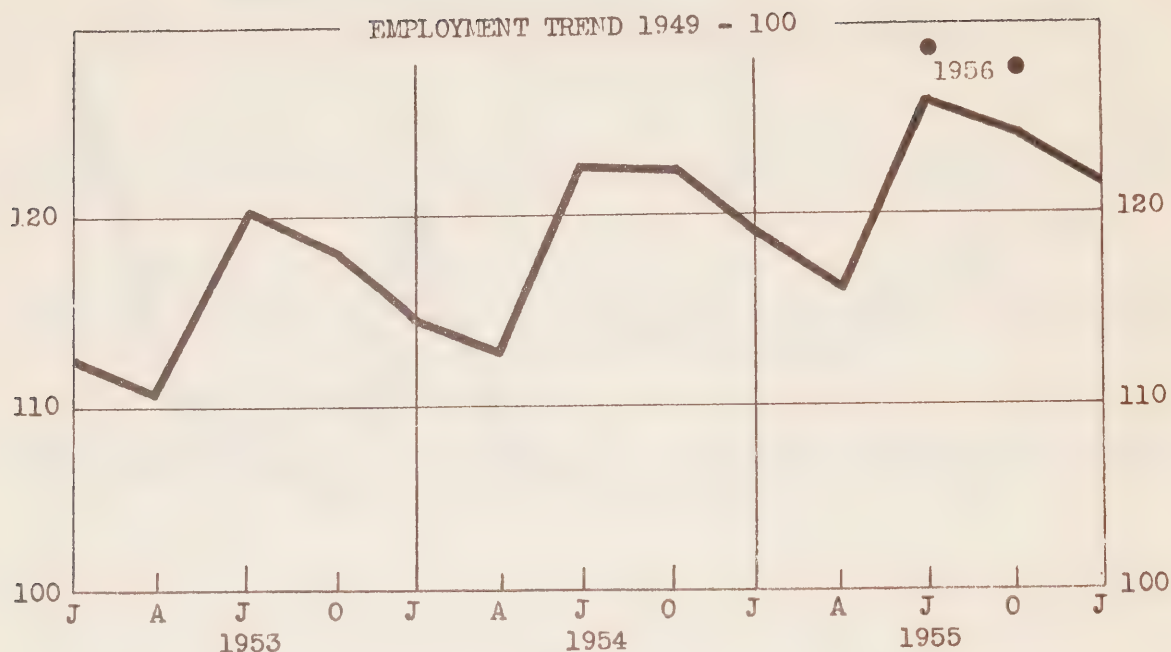
EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan.1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 121.8 | + 2.1 | - |
| Projected to July 1/56 Target Date | 128.7 | + 2.0 | + 5.7 |
| Projected to Oct. 1/56 Target Date | 127.4 | + 2.5 | + 4.6 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 1.74 | 2.16 | 2.80 | 2.61 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 17/17 | 4/4 | 17/17 |

# LOGGING – BRITISH COLUMBIA

EMPLOYMENT TREND 1949 – 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 75.7 | -11.6 | - |
| Projected to July 1/56 Target Date | 110.7 | - 0.3 | +46.2 |
| Projected to Oct. 1/56 Target Date | 112.1 | + 2.2 | +48.1 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Date 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Oct.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 8.30 | 10.86 | 11.87 | 14.09 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 3/4 | 14/17 | 3/4 | 10/17 |

## LOGGING – MANITOBA AND EAST

EMPLOYMENT TREND 1949 - 100



### PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| E.F.S. (actual) Jan. 1, 1956 | 149.0 | +21.9 | - |
| Projected to July 1/56 Target Date | 93.0 | +12.2 | -37.6 |
| Projected to Oct. 1/56 Target Date | 150.0 | + 3.2 | + 0.7 |

### SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1953-1955 | All Target Dates Jan.1,1953 to Jan.1,1956 | For Oct. 1 Target Dates 1953-1955 | All Target Dates Jan.1,1953 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 9.09 | 6.18 | 4.67 | 8.84 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 3/3 | 13/13 | 3/3 | 12/12 |
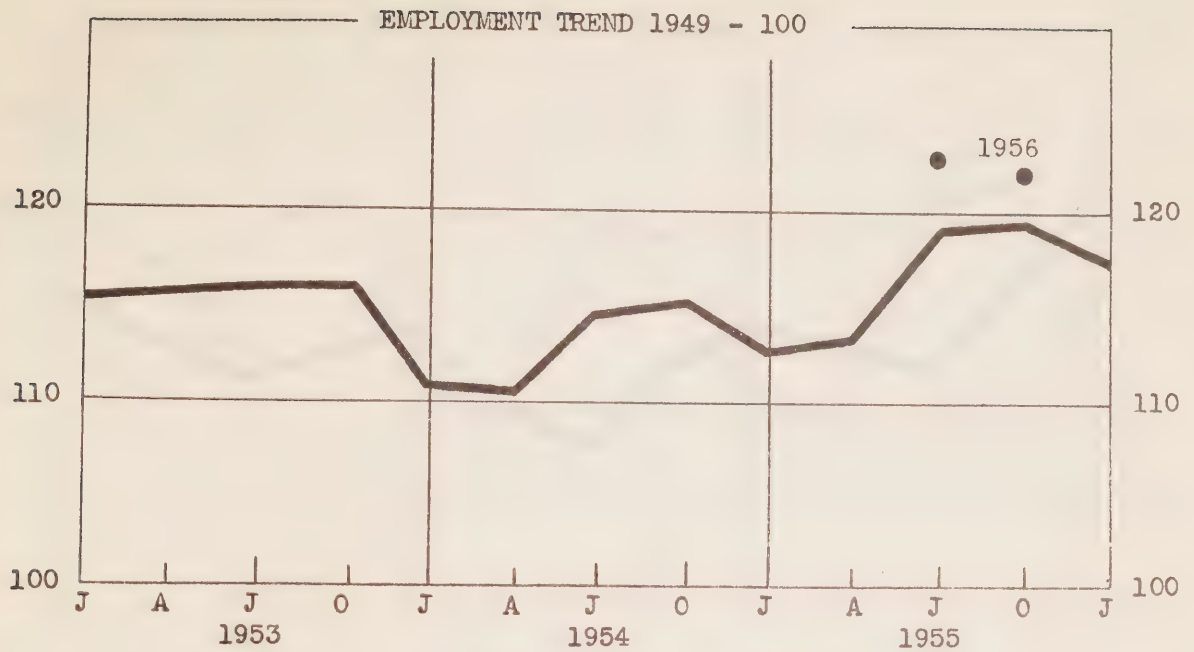
## EMPLOYMENT TREND 1949 - 100



## PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 117.8 | + 4.5 | - |
| Projected to July 1/56 Target Date | 122.9 | + 3.1 | + 4.3 |
| Projected to Oct. 1/56 Target Date | 122.0 | + 2.2 | + 3.6 |

## SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 3.11 | 2.83 | 5.02 | 3.29 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 3/4 | 13/17 | 3/4 | 12/17 |

# MINING OF FUELS
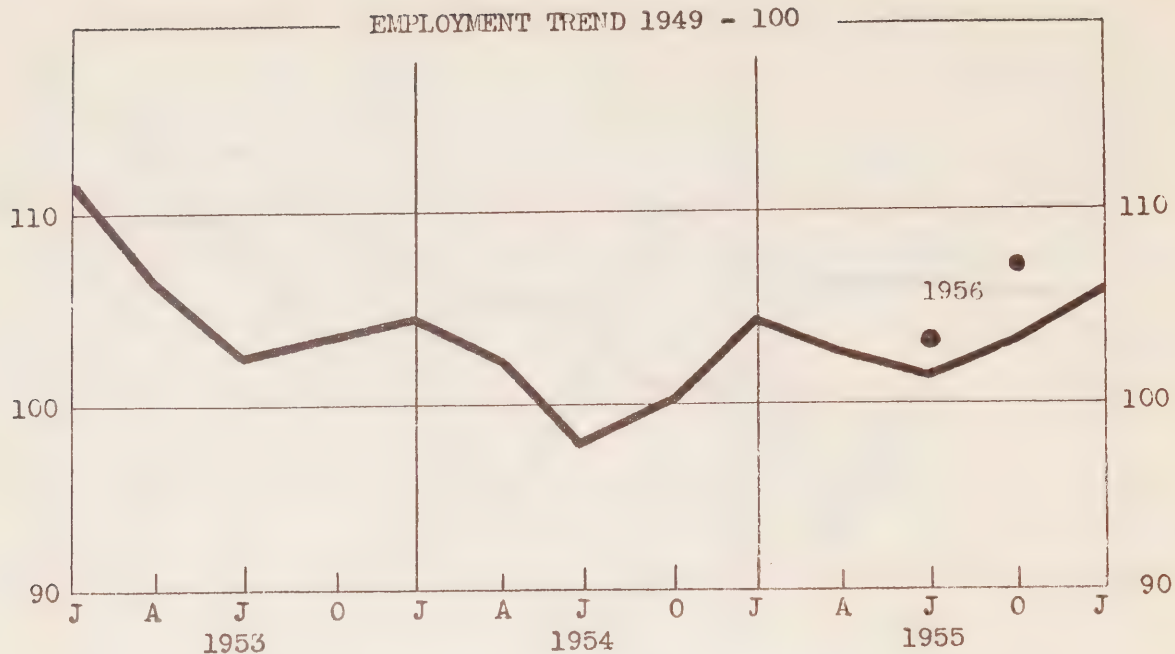
EMPLOYMENT TREND 1949 - 100



PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 106.0 | + 1.1 | - |
| Projected to July 1/56 Target Date | 103.1 | + 1.5 | - 2.7 |
| Projected to Oct. 1/56 Target Date | 107.2 | + 3.7 | + 1.1 |

SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 5.11 | 4.25 | 5.48 | 5.65 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 2/4 | 8/17 | 3/4 | 5/16 |

## NON-METALLIC MINING
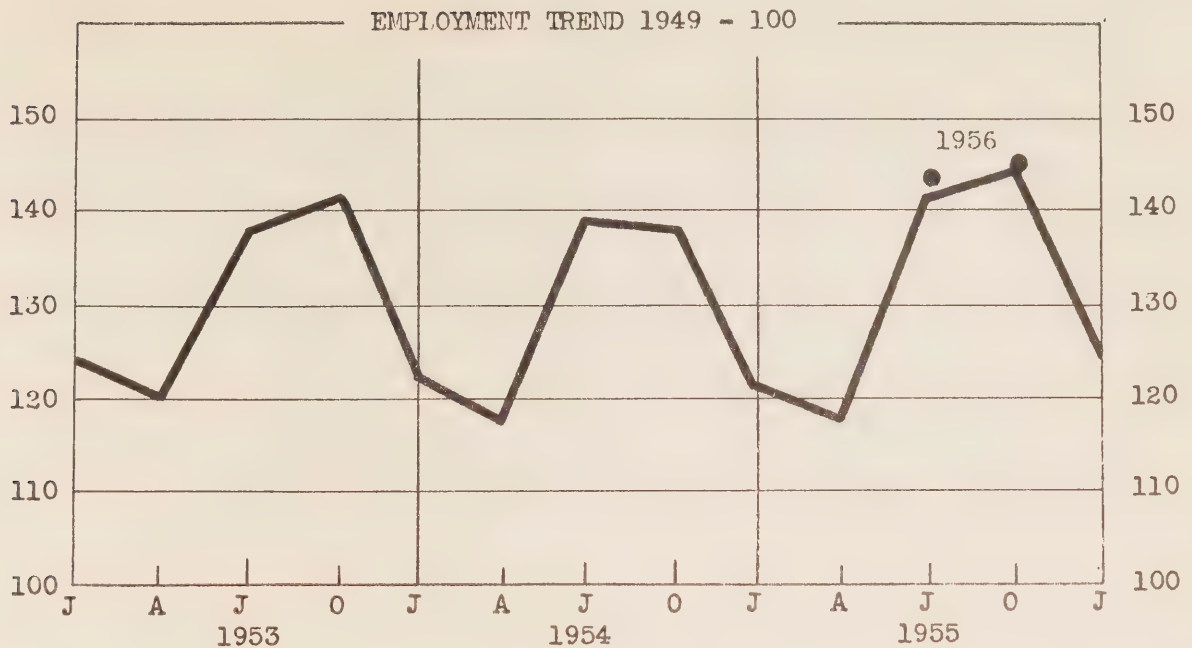


EMPLOYMENT TREND 1949 - 100

### PROJECTED EMPLOYMENT INDICES AND PREDICTED CHANGES

| Dates | Employment Index | Percentage Change | |
|---|---|---|---|
| | | Year to Year | From Jan. 1 1956 |
| D.B.S. (actual) Jan. 1, 1956 | 124.8 | + 2.9 | - |
| Projected to July 1/56 Target Date | 143.4 | + 1.2 | +14.9 |
| Projected to Oct. 1/56 Target Date | 145.1 | + 0.5 | +16.3 |

### SUMMARY ACCURACY RECORD

| Accuracy Measure | Short-Term E.F.S. Projections | | Longer-Term E.F.S. Projections | |
|---|---|---|---|---|
| | For July 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 | For Oct. 1 Target Dates 1952-1955 | All Target Dates Jan.1,1952 to Jan.1,1956 |
| Average percentage difference between actual and projected employment indices | 3.41 | 6.03 | 4.88 | 5.77 |
| Ratio of the number of correct predictions of direction of change (from projection date to target date) to all predictions over the same interval | 4/4 | 16/17 | 4/4 | 16/17 |

NOTES

## NOTES

(1)    All strike adjustments were made by increasing the reported number
of employees (E.&P.) in the affected industry by the number of employees
reported on strike or laid off because of the strike, by the Economics
and Research Branch, Department of Labour.  These strike adjusted
employment figures for the industry were divided by the base period
employment of the industry on the date for which the adjustment was made.
Strike adjustments were made for all industries in which one per cent or
more of total employment in the industry was involved.

(2)    No accuracy data are shown for department stores and mail order
houses, because the forecasts were formerly derived entirely from the
E.F.S. sample.